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<210> 19
 <211> 959
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (930)
 <223> n equals a,t,g, or c

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 ttaaaactct tgtattcaca tgccataatt tgaaacccta tttcactgaa tgagaatgggt 180
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 gacttgatgt ggccccaaca acagtcaata atggagtctc caaaataaag ctctatagga 360

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<210> 20

<211> 1446

<212> DNA

<213> Homo sapiens

<400> 20

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<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1470)

<223> n equals a,t,g, or c

<400> 21

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F02280" 234E660

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tctgaaataa	tggaactcat	gtctacaatt	caacatgcat	ctgtatagtt	acatctcatg	300
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<210> 22

<211> 1402

<212> DNA

<213> Homo sapiens

<400> 22

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<210> 23

<400> 24							
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<210> 25
 <211> 1208
 <212> DNA
 <213> Homo sapiens

<400> 25
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 aaaaaaaaaa 1208

<210> 26
 <211> 1922
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1022)
 <223> n equals a,t,g, or c

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<210> 27
 <211> 1951
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1892)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1930)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1934)
 <223> n equals a,t,g, or c

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<210> 28
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (17)
 <223> n equals a,t,g, or c

<400> 28						
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<211> 3735

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3690)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3716)

<223> n equals a,t,g, or c

<400> 29

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 <211> 1667
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1628)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1395)

<223> n equals a,t,g, or c

<400> 31

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<210> 32

<211> 3186

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (666)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3181)

<223> n equals a,t,g, or c

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<220>
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 <223> n equals a,t,g, or c

<400> 32

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tgaagttctg caaatgggag agtggttcaca gtagatagct cagattgatt gaacacattt 300
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cagattttgc ttgagattga cttcaataaa ttgtcctgta tgttccaaaa aaaaattaaa 1740
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<210> 35
<211> 896
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (6)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (8)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (870)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (877)
<223> n equals a,t,g, or c

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gccagcytca cytgccacyt tytgccccty tcgggatgcc ttcgcagaca gagytyttcg 120

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ctgcctgtgg	tggccaytct	ttgcttttgg	ttytcttgcc	ccttggcctc	cctttttgtc	180
cccgggcagc	cttgtgtgac	ctgccctttt	ccctcccttc	ctttccagga	caagcacgcc	240
gaggaggtgc	ggaaaaacaa	ggagctgaag	gaagaggcct	ccaggtaaag	cctagaggcc	300
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tctgcttttg	gtgtttgtac	atgttaagaa	ttgaccagt	aagccatcct	atttgtttcc	480
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agagggggtg	tgagtaccag	tggtgttgct	tccacctgc	agcagggtgg	atgaggtctg	780
tgtgtgtgtg	tgaaccatca	ttttttgatc	atcatgacca	atgaaacatt	gaaaaaaaaa	840
aaaaaaactg	gagggggggc	cgtacccaan	tcgccgnata	gtgatcgtaa	acaatc	896

<210> 36
 <211> 912
 <212> DNA
 <213> Homo sapiens

<400> 36						
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tagggccggg	gccakccgcg	gcagggctcg	ctggggctctg	gcctacacgc	tgctgcacaa	240
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cgccacggac	ctytytgagg	agtggccgga	aagctcccs	gcctytgagg	tgcagggcag	780
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<210> 37
 <211> 1382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (787)
 <223> n equals a,t,g, or c

<400> 37						
aattcggcac	gagcggaggc	gagggaaact	ragggcgaaa	gttgtgtgtc	gtgttggcag	60
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tgaatagaaa	attatagatt	ttgatattga	aggaaatgaa	gcgaagcyta	aatgaaaatt	180
cagctcgaag	tacagcaggc	tgtttgccctg	ttccgttggt	caatcagaaa	aagaggaaaca	240
gacagccatt	aacttcta	ccacttaaag	atgattcagg	tatcagtacc	ccttctgaca	300
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ctcctgta	gaaaacagtg	gacaccgggc	aaataaccaca	ttcagtttct	cgtcctctga	420
gaagtcaaga	ttctgtcttt	aactctattc	aatcaaatat	tggagaagc	caggggtggt	480

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<210> 38
<211> 872
<212> DNA
<213> Homo sapiens
```

```
<210> 39
<211> 812
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (806)
<223> n equals a,t,g, or c
```

<221> SITE

<222> (810)

<223> n equals a,t,g, or c

<400> 39

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aggtctgggtg	tacttgttct	ttgaaaagtc	ttatgttgac	caccatcact	gagcatatag	480
ctttttcctt	atttccttgg	gataattacc	cgaagtggaa	ataccgaatc	aaacttctgt	540
tttctttctt	tggcactatt	atataaattg	ttttccaaac	aaggcatgtt	tacaatagac	600
atttttcaaa	atctgggtat	ttgtcctatt	ttgtctctgt	tatgcagaat	tcagcggggg	660
gccaagtcgt	tttctgtgtg	ggttgagaga	caggctgtgc	agcccactgt	tgcataggac	720
taactactac	aaatcatgct	gagaccgagc	tatttttgct	gcttagargc	tttgagcct	780
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<210> 40

<211> 1515

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> n equals a,t,g, or c

<400> 40

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catgcggaca	ctcttcaacc	tcctctgggt	tgccctggcc	tgacagccctg	ttcacactac	360
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aaaaaaaaa	aaaaa					1515

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<210> 41
 <211> 704
 <212> DNA
 <213> Homo sapiens

<400> 41
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 tttcctactt cctgaaggca gcagctggga ttgaaaagg ggcccggcaa acagggaaag 240
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 aagaagctgc caagaagtga ccctgcccc accaactccc agatttcaaa ggaggtagtt 540
 gcaaaagctg tgcccaaggg gaggaaggag gtcacaccaa tatgatgatg gttttcatga 600
 ctttgaatga tatatttttg tacatctagc tgtatcgagg catcaggcct gaataaacat 660
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<210> 42
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (196)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (226)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (302)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (596)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (952)
 <223> n equals a,t,g, or c

<400> 42
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 acatagttgc agttactgca ttgaatacct gtgggtttgc ctgttggtct gtctgtctct 180
 gtgggttctg taatantgga tcccagagat aaaaaggaca gttgtnatgc acagttaatt 240
 cagaaactag accttacttg ctgtgtgaaa taccaactaa attctcagtg aactcagctg 300
 anctttatct ctttttgttt cccaatttta taatttcagt tcaggcccag aaagatggaa 360

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 102280 / 94EE660

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tttgaggaaa	aaaaccata	ataccacacc	tcattttttt	caagtaatag	ggtcataagt	540
ctcatyctyc	atataatatg	ttgagtatgc	agtatattat	gtgttaggct	ctgganaggc	600
agaggttaga	tcatgtwaca	gatcatatck	gattaggcag	ataaacagta	ttttaacctt	660
ttccttatta	tatgtaactt	gctttcaggt	tttttaaatgt	tactattatg	tctttaatat	720
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gcacctctac	actc					1094

<210> 43
 <211> 1821
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1801)
 <223> n equals a,t,g, or c

<400> 43						
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ngcccctaag	gggggggggtt	t				1821

<210> 46

<211> 2421
 <212> DNA
 <213> Homo sapiens

<400> 46
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 gaggaagtga ccatggacac aagtgaatac agacctgaaa atgatgttcc agaacctccc 180
 atgcctattg cagaccaagt cagcaatgat gaccgcccgg agggcagtggt tgaagatgag 240
 gagaagaaaag agagctcgct gcccaaatca ttcaagagga agatctccgt tgtctcagct 300
 accaaggggg tgccagctgg aaacagtgc acagaggggg gccagcctgg tcggaaacga 360
 cgctgggggag ccagcacagc caccacacag aagaaacctt ccatcagtat caccactgaa 420
 tcaataaaga gcctcatccc cgacatcaaa cccctggcgg ggcaggaggc tgttgtggat 480
 cttcatgctg atgactctcg catctctgag gatgagacag agcgtaatgg cgatgatggg 540
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 tctgtcctgc agcccttgcc tctttccac aggttccact ttatatccac cttttccttt 2340
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 taaaaatctg acttagtttt a 2421

<210> 47
 <211> 840
 <212> DNA
 <213> Homo sapiens

<400> 47
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 tcattcagaa tgttttagtaa tttgtattgt ttttcagatt ttcagcccaa tatatctccy 180
 tgcccactgt gtcactgtat tctacctawa catcatcacg tgtttctgct attggctgta 240

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gagtcagcca	catacctttt	aaaatctcaa	tttattagaa	attattccaa	atcaaaatca	420
aatgagaagg	tatatacaaa	agtgccttat	cccacaataa	actattcaag	agagagcaaa	480
ggagaggaca	tttactcaac	acctcctaaa	aggcagccag	tgaaattagg	catttttattt	540
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attattttgca	ctagattcca	gctgtagttt	agyttcagaa	aaaaaaatcc	tgagatgtga	660
attcacagct	ttctgggttt	aaagcccaag	ctctatcaca	tcatgctatt	attgttacat	720
tactgctagt	tctatgaaaa	gaaatactaa	tttatgaaat	acatcttatc	caaaaaaaaaa	780
aaaaaaaaaac	tgggaggggg	ggcccgtacc	caaatcgccg	gatagtgatc	gtaaacaatc	840

<210> 48
 <211> 2432
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (593)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2049)
 <223> n equals a,t,g, or c

<400> 48						
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cggtcataca	accaggagca	ctcccagagc	ttcacgtttg	atgatgcca	acaggaggac	180
cggaagagac	tggcggastg	ctgggtctccg	tcctggaaca	gggcttgcca	ccctcccacc	240
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ttgacttgcg	gtcctcttc	ctgctaaccg	cactccgcac	cgatgtgcgc	canagctgtt	600
tcaggagctg	aaaggagtgc	gcctgctaac	tgacacactg	gagctgacgc	tgggggtgac	660
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gacctcaaaa	gtgctcttca	acatcacctt	ggactccatc	aagggggagg	tggacgagga	780
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ggacaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			2432

<210> 49

<211> 1742

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (570)

<223> n equals a,t,g, or c

<400> 49

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cccagcttca	tgcttctctt	ccgcactcag	ccgccttgcc	ctgtcctcgt	ggtgagtcgc	240
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cg

1742

<210> 50
 <211> 1487
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (1486)
 <223> n equals a,t,g, or c

<400> 50
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 tcgctggcag ccgggtggca gaactcttcc gaggtctcct gggaagaagc tacacccgag 120
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 tgggtgctcag ctgtttacgt ctgactcctt gacttctttg gtacagtgat ggagtcagat 1440
 ctcattaagt gtgattctcc atggatataa ccagcccaaa aaaaang 1487

<210> 51
 <211> 1328
 <212> DNA
 <213> Homo sapiens

<400> 51
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 tggccttgcc gaagaactgg aaaaagagaa gtcaagggaa cagatgagct cccaacccaa 180
 gtcagcttgt ggaaactgct acctgggcga tgccctccgc tgtgccagct gcccctacct 240
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aatcaatctt	gccaaatatt	tggagagatt	gtgtggattt	aagagacctg	gatttttata	1260
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aaactcga						1328

<210> 52
 <211> 1856
 <212> DNA
 <213> Homo sapiens

<400> 52						
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tttgattatc	tttctatctc	ttttatttat	ttctcattta	cttaagaaat	tcgttccatt	420
ggttggcatt	gatacagtaa	atltgtaaat	gaggagacaa	tataaaaaat	ctaaattact	480
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caggcttctt	tgtctctggg	tgtagcttgc	atgatcgccc	cattaggcag	acaacgtagc	660
cggagatcac	aaatcaggcc	cttggtgtag	ttgctagtgt	gtggagggtgc	agagagggtg	720
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gtgttcagga	agccacaggc	catatttgac	tctgagaaag	aaaacaagag	gaaaaacccc	840
acaaagtata	acaaccctt	aagatacatc	tattttaaag	tgaaattaat	ttttcagttt	900
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ggggtaaatg	tttacttcaa	aatgactcca	tatttcaa	atctgttttag	actgtgaagg	1740
ccaaataatt	tttaagaaaa	catttgaaga	gtagtgtgtt	tgcatattgtg	aataatctta	1800
ctcacagcaa	gtaaacgtaa	taaaagccaa	cattttaagcc	aaaaaaaaaa	aaaaaa	1856

<210> 53
 <211> 1558
 <212> DNA
 <213> Homo sapiens

0993767-082201

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1514)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1551)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1556)
 <223> n equals a,t,g, or c

<400> 53
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 taccacattt tctttatcca ctcatgtctt gatgggcagt taggttggtt ccacatcttt 180
 gcaattgtga gttgtgctgc tccagatatc atctttaact cctttgcctt ctccacatac 240
 atttccaagt cctgttcatt ctacctccaa aatgtatctt gtatccattc atctctctcc 300
 atcttcaatc tatttcaatg ccccatcatc tcttgcattg aggagtgtaa taattggcta 360
 actggcctgt tcttacattt taaaatcaaa agatgtgaca ggtgaaatgc ctatttcagt 420
 gtccattgat ggttctgctt acacaccacc tggctgcctg gtgtcgcagt ggcagagttg 480
 agcagtgtga aaaagactgc ttggcccttt acagggaaaag cagggtccact gtggcctgtg 540
 aggacgagag ctctgggcag gctcggacac tggcagaccc tggtcctggc tggccaaggc 600
 agcaggggat gtgtttcggg tcaactcacag ggctcagcac cactcctcat ggcttcctta 660
 ctgtttcggc agaggctgac ccgcggctga ttgagtccct ctcccagatg ctgtccatgg 720
 gcttctctga tgaaggcggc tggctcacca ggctcctgca gaccaagaac tatgacatcg 780
 gagcggctct ggacaccatc cagtattcaa agcatccccc gccgttgtga ccacttttgc 840
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 tgtagttctc tcatttccaa accatcagct gcttttataa taagatctct ttgtagccat 1440
 cctgttaaatt ttgtaaacia tctaattaaa tggcatcagc actttaacca aaaaaaaaaa 1500
 aaaaaaaaaa aaanaaaaaa aaaagggggc cgctctagag gtccaagtta ngacngng 1558

<210> 54
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 54
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 gaactactgg gatccctaaa aacgcccctg gtccggcccc actctgcgcc cctcgatctc 120
 ccaggctctt tctgcagwca taccgcggac ccaatggggc ccctgcacac ccgtttctgg 180

ggccgtcaga	cttggataca	tcgtaaactc	cgccctccacg	gaacgtctcg	cctkgcgagc	240
aagmtcggaa	tccagttcct	caggaacccc	tccaaaaccc	acacccccag	ggacgccgct	300
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tgtagcggcc	ccaaccgagc	aacctcggtt	tggtccttaa	aacccccgct	cctctataag	420
caccgcccc	gctctgacaa	aacccccgct	ccaggtcggc	aggctccgct	tcttttcttc	480
tccgcggggg	gattcagtc	agtgattggg	tttgtggctc	caggcctcgc	ccacagacgg	540
acagaccctt	ccctttcttc	cggcaaaagg	accgagccct	ggggtagtaa	ggsccccaca	600
ctcctgtttt	ttgcaagtac	atthttgttc	ytctccacc	caggatatctg	cctatthttct	660
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aggaccttcc	tccttgggat	aagaaacctg	cctgtaaaacg	ctctgtaaat	actcccttcc	780
acccatccca	gcccctgggc	agccgggcag	aagggaatcc	aggctatgga	cctcccaagt	840
ccccgctccc	cgctccccctc	ggcgcccccg	ccttggtctg	atctgtgtgt	gagtgtgtgt	900
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<210> 55
 <211> 990
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (751)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (879)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (888)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (897)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (899)
 <223> n equals a,t,g, or c

 <220>
 <221> SITE
 <222> (901)
 <223> n equals a,t,g, or c

<400> 55						
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atggagaggg	ggttcagcga	gcctagagag	ggcagactat	caggggtgccg	gcgggtgagaa	120
tccaggggaga	ggagcggaaa	cagaagaggg	gcagaagacc	ggggcacttg	tgggttgag	180
agccccctcag	ccatgttggg	agccaagcca	cactggctac	cagggtccccct	acacagtgccc	240
gggctgccct	tggttctggt	gcttctggcc	ctgggggccg	ggtgggcccc	ggaggggtca	300
gagcccgtcc	tgctggaggg	ggagtgcctg	gtggtctgtg	agcctggccg	agctgctgca	360
ggggggccccg	ggggagcagc	cctgggagag	gcacccccctg	ggcgagtggc	atthgytgcg	420

gtccgaagcc	accaccatga	gccagcaggg	gaaaccggca	atggcaccag	tggggccatc	480
tacttcgacc	aggtcctggt	gaacgagggc	gggtgctttg	accgggcctc	tggctccttc	540
gtagcccctg	tccgggggtg	ctacagcttc	cggttccatg	tgggtgaagg	gtacaaccgc	600
caaactgtcc	aggtgagcct	gatgctgaac	acgtggcctg	tcattctcag	ctttgccaat	660
gatcctgacg	tgacccggga	ggcagccacc	agctctgtgc	tactgccctt	ggaccctggg	720
gaccgagtgt	ctctgcgcct	gcgtcggggg	naatctactg	gggtggttga	aataactcaag	780
tttctctggc	ttcctcatct	tccctctctg	aaggacccaa	gtctttcaag	cacaagaatc	840
cagcccctga	caactttctt	ctgccctctc	ttgccccana	aacagcanaa	gcagganana	900
nactccctct	ggctcctatc	ccacctcttt	gcatgggaac	ctgtgccaaa	caccaagtt	960
taagaaaaaa	ataaaactgt	ggcatctcca				990

<210> 56
 <211> 1603
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (328)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (336)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (341)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (788)
 <223> n equals a,t,g, or c

<400> 56						
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ccgccgtcct	agccgctgct	gtcttcgtgg	gaggcgccgt	gagttcgccg	ctggtggctc	180
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acgatactgg	gaatggacac	ccagaatata	ttgcatacgc	gcttgtccct	gtgttcttta	300
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gtacaacaga	agcagagcaa	gatatcgaag	aagaaaaagg	ttgaaaagwt	agrattgaat	420
gacagtgtga	atgaaaacag	tgacactgtt	gggcaaactg	tccactacat	catgaaaaat	480
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aactagaatt	cacatcaccc	accatatagg	gcttgcatta	ccacgaggca	gaaagcacct	1260
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acctcaatac	gaatatttct	cttcccacca	aatattttga	ggcaattgaa	aagccacagt	1560
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<210> 57
 <211> 1052
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (250)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1051)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1052)
 <223> n equals a,t,g, or c

<400> 57						
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cctccctacc	tttcccagac	ctctcactcc	tgcttggtgt	tccaaccctg	tctgtggcca	180
gagtatacat	tttgaacct	cttcgaggcc	atcctgcagt	tccagatgaa	ccatagcgtg	240
cttcagcagn	aaggcccag	acatgtatgc	agaggagcgg	aagaggcagc	agctggagag	300
ggaccaggct	acagtgcag	agcagctgct	gcgagagggg	ctccaagcca	gtggggacgc	360
ccagctccga	aggacacgct	tgcacaaact	ctcgcccaga	cggaagagc	gagtccaagg	420
cttcctgcag	gccttggaac	tcaagcgagc	tgactggctg	gcccgtctgg	gcactgcctc	480
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myccttccct	ttcttggtga	aaggcacctc	ctttcctgat	aatgaatggg	gttccctttg	600
cttggtgctg	gagcccccca	ggccagggtt	gctggccata	gatacctttg	ggctgcctgr	660
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ccccaaaacc	ctagctcttt	acccttccat	tttagccttc	caccagctt	ccacaaaaga	900
tttggtctta	ccttggtatc	gctagtaaat	aactaatagg	caggcagtta	tttgggtaag	960
gaaaaaagg	gtgggagaga	cagaaaattt	gcccactgct	gctcctcccc	ttggstytc	1020
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<210> 58
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (751)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (784)

<223> n equals a,t,g, or c

<400> 58

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kgtttttttc	tttttcttct	tctccttctc	cttcttcttc	tcttctcctt	ctttcttctt	180
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gtcattactg	gtgggatctg	gtcacacaag	atagcattaa	acgtgacatg	gcacataaaa	420
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aagattggaa	tgtatcttca	aattcagatt	taataaacat	gtaaagatcc	tctgtatata	540
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tatgaaaaga	tagcaatagg	gaatggtgaa	caaataattt	aatttgccaa	ttctaaaaaa	660
catggactta	aaccccatga	aaacttggtt	ccatagtttt	aactgtttta	tggttccaat	720
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<210> 59

<211> 1215

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (1098)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1186)
 <223> n equals a,t,g, or c

<400> 59
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 atgggaacag aatggagggc ctgagaacat actttctaaa tgcctttgac ccaggaaccg 180
 attatctata tttgttccca ttttccttca ccgtgacatt ccagcattgt ctgactgtga 240
 ggtgggcctt tgagagcctc caggttcctc aaaacaggcc tgagcgatgg gcatcacacc 300
 ctctgcctac ccacrtgcct gcttacctgc cagataacca agtgnagatg tctgcgagtg 360
 gctagttttc acattctttac tagtgtttgg ytcacctttg ggcaaaggcc ccctctaggc 420
 ctgccccac ctccatcaaa cgcagacact gtagtcagac ctcagyaata taggaggcaa 480
 taatctttta acagtgtttt gcaaacaaac aaaaagagaa aaatcccagc caggggaact 540
 cgccacctgc ccacgctagt tccatccacg ctcaagaccc gcccttagac caggcaggca 600
 aaggcccca tcacactcgg ccactagtgg ggtcctgagg ccaagaaaga aaccagaccc 660
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 gccactccat actccagaag cattattcct tatttgggac agccaagggc agattcacag 780
 gttattgtag gaataaagac tagtttacia aggaraaaga gsccttgac ttcccmagga 840
 aaggtcaggt tagggctcct gtaccattc tgttccacca ctgtttgatc tctctggcct 900
 cccaccagga atgccgtttc ctttttatgg atctgttggg aaccagagag aatcaacaga 960
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 ctgnacagca aggtattggt aggttactca atttcaaaag ggccccatgg ccaaatatgt 1080
 ttaggaaccg ctgtttgnat ttcttttttt ggagacgcac tgtatataat atatgtcaaa 1140
 ggctttcgga attcctgcag gaaagaaatc agctttgtta aatccnaaaa aaaaaaaaaa 1200
 aaaaaaatag actcg 1215

<210> 60
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (410)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (476)
 <223> n equals a,t,g, or c

<400> 60
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 cagtggagtc ctgctggctg taatcattaa ttgtgaaatc taaggagctt agttcatggc 120
 tctagaatct cacagaaaar tgygmtatga tacgagcatt aagtttattt cttctgatct 180
 ttgatgcagc tttgttcagt ttatctgttt ttgtatttat tggatcatct cttcccatgc 240
 caaaaggagc tggctctacat agctgcgcta aacacctgat caaatcacta aaagaaaatg 300
 tgttacctct aatgaattat cctgattgta agttaaaaa caatatttcc ccgtagttag 360
 gtttgctttt taaaaagaak kcttaaaaaa aaaaaaaaaa aaacgagtnn aagaaaagga 420

478

<220>

<221> SITE
 <222> (158)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (202)
 <223> n equals a,t,g, or c

<400> 62
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 tctgctgcta cagctcatag aagtcaacaa ttttcttcaa cactggtagg cagcctctaa 120
 atggccctga tcaccctcac ctccctgccat tcacaccnnt gtaaaattcc acccctggac 180
 ctagtgactc acttctaaca angagaatac agcaaaagta acatcgcttc tgagggtgagg 240
 ctacaaggag actacgatgc ctgccttggt cacccttctc ctgctctttc cattgctccc 300
 tctgatggaa gccagttgcc atgtgatgag gtgccctatg gagaggccca cgtgacaagg 360
 tattgtaaaa agcctctgac caatagccat ctagaaacgg aggccagtc cagcagcctc 420
 tgagatgaat cctgccaacc tgagcttgga gacagattct ctccctatcc tgccttgga 480
 tgatcacagc caccaccaac accttcactg cctggtgaga ggccaagcca gtgaacccaa 540
 ggtaaaactgg acagaatcct gaccacaga aactgagata atgtttgtta ttttaagctg 600
 ctcagtttgt tacagagcaa tagataacta actcaaacac cataaaattc taatatttta 660
 ttctatcaca caaaccaggt aataccaagt aaatgccatt actatacaca tattttttgta 720
 acacaattac atgtgatttt ttaagaaggc t 751

<210> 63
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (738)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)

0993767.082201
 102280.2945550

<223> n equals a,t,g, or c

<400> 63

cngncagtca	cngtccccga	ttccccgggtc	gacccacgcg	tccgggttgg	caactcctga	60
ggcctgcatg	ggtgacttca	cattttccta	cctctccttc	taatctcttc	tagagcacct	120
gctatcccca	acttctagac	ctgctccaaa	ctagtgacta	ggatagaatt	tgatccccta	180
actcactgtc	tgcggtgctc	attgctgcta	acagcattgc	ctgtgctctc	ctctcagggg	240
cagcatgcta	acggggcgac	gtcctaattc	aactgggaga	agcctcagtg	gtggaattcc	300
aggcactgtg	actgtcaagc	tggcaagggc	caggattggg	ggaatggagc	tggggcttag	360
ctgggaggtg	gtctgaagca	gacagggaat	gggagaggag	gatgggaagt	agacagtggc	420
tgggtatggc	ctgaggctcc	ctggggcctg	ctcaagctcc	tcctgctcct	tgctgttttc	480
tgatgatattg	ggggcttggg	agtccctttg	tcctcatctg	agactgaaat	gtggggatcc	540
aggatggcct	tccttcctct	tacccttcct	ccctcagcct	gcaacctcta	tcctggaacc	600
tgtcctccct	ttctccccaa	ctatgcatct	gttgtctgct	cctctgcaaa	ggccagccag	660
cttgggagca	gcagagaaat	aaacagcatt	tctgatgcc	aaaaaaaaaa	aaaaaaaaacc	720
gcggccgaaa	gcttattncc	ctttaagtaa	ggggttaatt	tttagcttgg	gcactnngcc	780

<210> 64

<211> 588

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (566)

<223> n equals a,t,g, or c

<400> 64

ttccgaatta	atcgactcac	tataggaawt	gccgtcgcca	tgaccgcggg	taaccagcgt	60
gagctcgccc	gccagaagaa	tatgaaaaag	cagagcgact	cggttaaggg	aaagcgccga	120
gatgacgggc	tttctgctgc	cgcccgcaag	cagagggact	cggagatcat	gcagcagaag	180
cagaaaaagg	caaacgagaa	gaaggaggaa	cccaagtagc	tttgtggctt	cgtgtccaac	240
cctcttgccc	ttcgctgtg	tgcctggagc	cagtcccacc	acgctcgctg	ttcctcctgt	300
agtgtcac	ggteccagca	ccgatggcat	tccttttgcc	ctgagtctgc	agcgggtccc	360
ttttgtgctt	ccttccccctc	aggtagcctc	tctccccctg	ggccactccc	gggggtgagg	420
gggttacccc	ttcccagtg	tttttattcc	tgtggggctc	accccaaagt	attaaaagta	480
gctttgtaat	tccaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	540
aaaaaaaaaa	aaaaaaaaaa	aaaanncg	ggggggcccc	cccccccc		588

<210> 65

<211> 945

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

00033767.082201

<222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<400> 65
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 tttggcaagt gagaagatgc agataggcaa aaagraaaaa aaagagatca cacagagatt 120
 cactgttaac ctttgggtgta taataaaatc agacactttc ctttgcatta tgtcacatag 180
 aaatgtacaa ataaagtgt catatataca cacatatatg tatacactgt tttgcaactc 240
 gttattttca ctttgcaata tacaatgagc atttttccat gcaaatgaat gagacctctt 300
 attaaatgaa taagattggg tcaaaagatg agatgttgac aagagtcata tgtaaactctc 360
 agcaacatcg aatgactgga gtaaaacgat agcaaatatt tatcaagaaa gtgcagacaa 420
 acagaaagca gtggcaacat taataacaga aaataattga attgtcagag aaattaatta 480
 aatgggataa ggacgggtccc gagaatgcct atgggttagaa tgcagagccc taaatttctt 540
 tctyagaccc cttatctctt ccaaacacct ttccatctca tctccctccc ttgtcatttc 600
 ttcattctta aaatgcctat agtctatgtc ctctttaa at tcttcgagag actgaagcag 660
 cctctgtcta aaattccctt ctgtttgctg gcgttcaa at tctccatacg ggcgtttttc 720
 ctccctcttt ggcacgctgc actttggctt tccttcgctt tctttgcagg gtttttgc at 780
 gatgttggtg ttgtttcctg cttaactctg tgcggggtag tttcctgctc cttttcttcc 840
 cccagatgtc tgtgaacaca gatcctggga cctcttctt cccttggcca caagcacgca 900
 cggcacgctt gtctgcaggg cagtaaggag ctggtacctc gtgcc 945

<210> 66
 <211> 1866
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (262)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (674)
 <223> n equals a,t,g, or c

<400> 66
 acccacgcgt ccggtcctct tcttcagcac atgccaaagc tgttctcac ggcctgtgag 60
 acaagagcat cttggatgta ggacaatgga agagttagat gccttattgg aggaactgga 120
 acgctccacc cttcaggaca gtgatgaata ttccaaccca gctcctcttc ccctggatca 180
 gcattccaga aaggagacta accttgatga gacttcggag atcctttcta ttcaggataa 240
 cacaagtccc ttgccggcgc antcgtgtat actaccaata tccaggagct caatgtctac 300
 agtgaagccc aagagccaaa ggaatcacca ccacttcta aaacgtcagc agctgctcag 360
 ttggatgagc tcatggctca cctgactgag atgcaggcca aggttgagcag gagagcagat 420
 gctggcaaga agcacttacc agacaagcag gatcacaagg cctccctgga ctcaatgctt 480
 gggggctctsg agcaggaatt gcaggacctt ggcattgcca cagtgcccaa gggccattgt 540
 gcattcctgcc agaaaccgat tgctgggaag gtgatccatg ctctagggca atcatggcat 600
 cctgagcatt ttgtctgtac tcattgcaaa gaagagattg gctccagtcc cttctttgag 660
 cggagtggtt tggntactg ccccaacgac taccaccaac ttttttctcc acgctgtgct 720
 tactgcgctg ctcccatcct ggataaagtg ctgacagcaa tgaaccagac ctggcaccca 780
 gagcattct tctgctctca ctgaggagag gtgtttggtg cagaaggctt tcatgagaag 840
 gacaagaagc catattgccg aaaggatttc ttagccatgt tctcacccaa gtgtggtggc 900


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tgcaatcgcc cagtgttgga aaactacctt tcagccatgg acactgtctg gcacccagag      960
tgctttgttt gtggggactg cttcaccagt ttttctactg gtccttctt tgaactggat      1020
ggacgtccat tctgtgagct ccattaccat caccgccggg gaacgctctg ccatgggtgt      1080
gggcagccca tcaactggccg ttgtatcagt gccatggggg acaagttcca tcctgagcac      1140
tttgtgtgtg ctttctgect gacacagttg tcgaagggca ttttcaggga gcagaatgac      1200
aagacctatt gtcaaccttg cttcaataag ctcttccac tgtaatgcca actgatccat      1260
agcctcttca gattccttat aaaattttaa ccaagagagg agaggaaaagg gtaaattttc      1320
tgttactgac cttctgctta atagtcttat agaaaaagga aagggtgatga gcaaataaaag      1380
gaacttctag actttacatg actaggctga taatcttatt ttttaggctt ctatacagtt      1440
aattctataa attctctttc tccctctctt ctccaatcaa gcacttggag ttagatctag      1500
gtccttctat ctcgccctc tacagatgta ttttccactt gcataattca tgccaacact      1560
ggttttctta ggtttctcca ttttcacctc tagtgatggc cctactcata tcttctctaa      1620
tttggctctg ataactgttt cttttcacgt tttccattt cctgtggct cactgtctta      1680
caatcactgc tgtggaatca tgataccact ttagctctt tgcactctcc ttcagtgtat      1740
ttttgttttt caagaggaag tagattttta ctggacaact ttgagtactg acatcattga      1800
taaataaact ggcttgtggt ttcaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      1860
aaaaaa

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<210> 67
<211> 1152
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (668)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (745)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1015)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (1088)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1110)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1113)
<223> n equals a,t,g, or c

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<400> 67
ctcaaggatg taaaggctct gcagatttct ggaggcctgt ctcccagcac ctgatgggac      60
actttttgcc cactgtaaa ttctgggtgt atcctccact gtatgctgtc accccaaggg      120
caagcactgc atctgcttag tgaaggattt attgttcgga agatacattt tccccttkag      180

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0993767.082201

cagagagtgg	cgtatcctgg	cagtcttcgg	tgagccagtt	gtaccaggat	tatgaaatgc	240
agatgtttac	tgtgtcattg	ttgctgtcat	tgctactgag	gagtactgac	cagaatcatc	300
tgcaactytt	agttggcaga	gaggaccact	atggcgggta	gctcttttct	ttcctgccat	360
tgtggggatg	attccaggcc	aaagatgatg	garaagtatg	gaaatcatct	gaaaggttga	420
agcttggcac	gtgaagccat	tcatgacttt	gtaaggcagt	tttgctgaag	gccagttctg	480
ccctgggagg	gacggagggtg	aatcctcctg	agtacctgtg	gttttcttac	ttcctgctga	540
atttacctaa	gtgcctgttg	tttgcttgct	gtggaggctt	tctgggtattt	catttcagggt	600
gcagatgcct	tcactttccc	accraaaaaa	ccccmaccaa	acctaagacc	ttactgcaac	660
taagtytncc	aagtactttt	taacccaatg	ggatgaacag	cctgtggtct	gctcagatca	720
ccctgagtgc	gtgtgagaag	gcmtnnggctt	tgccaggaaa	tccaggaagg	cagggccggg	780
ctgtgttgga	agctggctta	gctgggtggg	cagccttatt	tcaattaaaa	gggcattgac	840
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aaacatttta	ctgccatctc	actgatggca	tctcactgac	ttaaaatgaa	ggcangttgt	1020
agtaaaaaaa	aaagtctaca	tttttccacc	gccacgttct	tatatcctgt	ttgtcagcca	1080
ctgctcanaa	gggcatgttg	tcttgcggan	tanaggcgct	ctccttcctt	cgttttccct	1140
ataggttggg	tg					1152

<210> 68
 <211> 2483
 <212> DNA
 <213> Homo sapiens

<400> 68						
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cgcgcgcatg	ggctcctcgc	aaagcgtcga	gatcccgggc	gggggcaccg	agggctacca	120
cgttctgcgg	gtacaagaaa	attccccagg	acacagagct	ggtttgagagc	ctttctttga	180
ttttattgtt	tctattaatg	gttcaagatt	aaataaagac	aatgacactc	ttaaggatct	240
gctgaaasca	aacggtgaaa	agcctgtaaa	gatgcttatc	tatagcagca	aaacattgga	300
actgcgagag	acctcagtc	caccaagtaa	cctgtggggc	ggccagggct	tattgggagt	360
gagcattcgt	ttctgcagct	ttgatggggc	aaatgaaaat	gtttggcatg	tgctggagggt	420
ggaatcaaat	tctcctgcag	cactggcagg	tcttagacca	cacagtgatt	atataattgg	480
agcagatata	gtcatgaatg	agtctgaaga	tctattcagc	cttatcgaaa	cacatgaagc	540
aaaaccattg	aaactgtatg	tgtacaacac	agacactgat	aactgtcgag	aagtgattat	600
tacaccaa	tctgcatggg	gtggagaagg	cagcctagga	tgtggcattg	gatattggtta	660
tttgcatacga	atacctacac	gcccatttga	ggaaggaaag	aaaatttctc	ttccaggaca	720
aatggctggg	acacctatta	cacctcttaa	agatgggttt	acagagggtcc	agctgtcctc	780
agttaatccc	ccgtctttgt	caccaccagg	aactacagga	attgaacaga	gtctgactgg	840
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agtaccgtta	ttgccaccac	aagtaaacca	gtccctcact	tctgtgccac	caatgaatcc	960
agctactaca	ttaccaggtc	tgatgccttt	accagcagga	ctgcccaacc	tccccaacct	1020
caacctcaac	ctcccagcac	cacacatcat	gccagggggt	ggcttaccag	aacttgtaaa	1080
cccaggctctg	ccacctcttc	cttccatgcc	tccccgaaac	ttacctggca	ttgcacctct	1140
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aagctcagga	gagctgctgt	cttccctccc	gcccaccagc	aacgcaccct	ctgaccctgc	1260
cacaactact	gcaaaggcag	acgctgcctc	ctcactcact	gtggatgtga	cgccccccac	1320
tgccaaggcc	cccaccaccg	ttgaggacag	agtcggcgac	tccaccccag	tcagcgagaa	1380
gcctgtttct	gcggctgtgg	atgccaatgc	ttctgagtca	ccttaacttt	gaaccattct	1440
ttggaattgg	cgtggtatat	ttaaccacgg	gagcgtgtct	ggaaacgcaa	actatcatta	1500
atttcatact	agtttgatcc	gtatctgtag	gcactcctgta	aataattcca	aggggaaaac	1560
taaacgagga	cgtgggttgt	atcctgccag	gttgagtggg	gtcacacgc	taggggtgaga	1620
tgtcagaaag	cgctgtgatt	ttaaacacac	aaaaagaatt	gtaagggtgg	cttgctgcca	1680
ggcttgcaact	gccgttcctg	ggggtgtgca	tcttcgggaa	aggtgggtgg	ggggcgctcca	1740
ctaggtttcc	tgtcccttgc	tgctccttcc	gtaagaaaat	gaaatattct	atgcctaata	1800
ctcacacgca	acatttcttg	tactttgtaa	gtcgttttgcg	agaatgcaga	ccacctcact	1860
aaactgtaaa	cggtaaagag	atttttactt	ttggtctccg	tgagtcgcat	ctctactaag	1920
gtttacacag	gaattccacc	tgaagacttg	tgtaaagtt	ctacagcgcg	cactgttaac	1980

tgaacgtctt	tttcttcage	ctatacgcg	atccttggtt	tgagctctca	gaatcactca	2040
gacaacattt	tgtaactgct	gctggtgctt	tctacataca	ccttataaaag	tgacatttca	2100
aaagaaataa	ggtgccacag	ttttaaacca	gaaggaggca	ctctgtggct	ccttgtagta	2160
ttatagctat	actgggaaag	catagataca	gcaataaagt	acagtaattt	tacttttttt	2220
cttgtgttac	atctaaatta	caacccttaa	ttgccacgtg	tgcaacttact	actctccagt	2280
atgtcttatt	actctccagt	atgtcacgca	tctttaactt	ttcacgtcct	atgtttgctt	2340
tctcccattt	ttaagagatg	gtaagttaac	tggaattgat	ttactgaatg	aaattaaatg	2400
cagatatccc	tgtttttgaa	ataaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	2460
aaaaaaaaaa	aaaaaaaaaa	aaa				2483

<210> 69
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 69	
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aggagagcgt	atccgccgta
tataacctcc	ggggctcctt
tccttcagca	gtactgggct
cataacatcc	tagttgaaaa
agargctagg	ttacttgcca
tttcttgctt	ccgaattctc
aactactgaa	ctagattagc
tttctttcat	gaagcgcccc
	atctctacag
	aggaaaataa
	actccaagca
	gccagt
	60
	120
	180
	240
	300
	360
	420
	480
	536

<210> 70
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 70	
ggggggcgaa	ttcccctggc
agctcgctt	tcttgccag
ggtacgggca	cctcgctggc
cagatgtaca	gccgtcagct
ggttcgggtc	tcttcgtgtt
ggcaaaggat	tccaagcaaa
tttgcattctg	gcctcatcca
ggtctgtact	acatcaacaa
acaccagcca	aggtcacagg
gttgattctt	tgtaaaaaaa
	aaaaaaaaaa
	aaaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	574

<210> 71
 <211> 932
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (884)
 <223> n equals a,t,g, or c

<400> 71	
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	cgtcacactg
	cagggttgaa
	accagaagtt
	agttgctttg
	60

agaacataag	gtcttgtgca	agaggagccc	tcgctcttct	gttccttctc	ggcaccacct	120
ggatcttttg	ggttctccat	gttgtgcacg	catcagtggt	tacagcttac	ctcttcacag	180
tcagcaatgc	tttccagggg	atgttcattt	ttttattcct	gtgtgtttta	tctagaaaaga	240
ttcaagaaga	atattacaga	ttgttcaaaa	atgtcccctg	ttgttttgga	tgtttaaggt	300
aaacatagag	aatggtggat	aattacaact	gcacaaaaat	aaaaattcca	agctgtggat	360
gaccaatgta	taaaaatgac	tcatacaatt	atccaattat	taactactag	acaaaaagta	420
ttttaaatca	gtttttctgt	ttatgctata	ggaactgtag	ataataaggt	aaaattatgt	480
atcatataga	tatactatgt	ttttctatgt	gaaatagtct	tgtcaaaaat	agtattgcag	540
atatttgga	agtaattggg	ttctcaggag	tgatatcact	gcaccaagg	aaagattttc	600
tttctaacac	gagaagtata	tgaatgtcct	gaaggaaacc	actggcttga	tattttctgtg	660
actcgtgttg	cctttgaaac	tagtccccta	ccacctcggt	aatgagctcc	attacagaaa	720
gtggaacata	agagaatgaa	ggggcagaat	atcaaacagt	gaaaaggga	tgataagatg	780
tattttgaat	gaactgtttt	ttctgtagac	tagctgagaa	attgttgaca	taaaataaag	840
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ccaaatcgcc	gcatagtgat	cgtaaacaat	ct			932

<210> 72
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 72						
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cccccgccgc	gcggcccact	cccccgacct	gctactcccg	catgcggggc	ctgagccagg	120
agatcaccgc	cgacttcaac	ctcctgcagg	tctcggagcc	ctcggagcca	tgtgtgagat	180
acctgcccag	gctgtacctg	gacatacaca	attactgtgt	gctggacaag	ctgcgggact	240
ttgtggcctc	gcccccggtg	tggaaagtgg	cccaggtaga	ttccttgaag	gacaaagcac	300
ggaagctgta	caccatcatg	aactcgttct	gcaggagaga	tttggtattc	ctggttgatg	360
actgcaatgc	cttggaatac	ccaatcccag	tgactacggt	cctgccagat	cgtcagcgct	420
aagggaactg	agaccagaga	aagaacccaa	gagaactaaa	gttatgtcag	ctaccagac	480
ttaatggggc	agagccatga	ccctcacagg	tcttgtgtta	gttgatatctg	aaactgttat	540
gtatctctct	accttctgga	aaacagggct	ggtattccta	cccnggaacc	tcctttgagc	600
atagagttag	caaccatgct	tctcattccc	ttgactcatg	tcttgccagg	atgggttagat	660
acacagcatg	ttgatttggt	cacctaaaaa	gaagaaaagg	actaacaagc	ttcactttta	720
tgaacaacta	ttttgagaac	atgcacaata	gtatgttttt	attactgggt	taatggagta	780
atggtacttt	tattctttct	tgatagaaac	ctgcttacat	ttaaccaagc	ttctattatg	840
cctttttcta	acacagactt	tcttcactgt	ctttcattta	aaaagaaatt	aatgctctta	900
agatatatat	tttaygtagt	gctgacagga	cccactcttt	cattgaaagg	tgatgaaaaa	960
caaataaaga	atctcttcac	atgaraaaaa	aaaaaa			996

<210> 73
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 73						
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tgctgggtgc	atggccacgt	gtgagcaggc	cagcgtcama	cggtctcgctg	tgaccgcgtcc	120
cgragactga	aatgggcctg	ggtcttctcc	tkgtcctgtg	atwaaagtcc	tctcttgaaa	180
gtggagagca	aaggcacaca	gaggtgcgcg	ctcacaagaa	ttcctcccgg	tgactgggta	240
atcaatgtta	ctgctgtttc	ctttgcagga	aagaccacag	caagattctt	tcattcgtct	300

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cctcctagcc	tgggggacca	ggctcgaact	gaccctggac	atcaaaggag	ggattatgtg	360
gctgctaaag	ccatcggccc	acagccctgt	tcacrtcttg	gtgcttctct	ttcccagagg	420
ctgggtcccag	ccaggcacac	acaaaaggca	gattctcgta	aacscagcct	ccctccctgg	480
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gctcagcaca	tggctggatg	cggatatttc	tataattcca	gaaagtcaca	cagctcctct	660
gtatgagacc	agtgggccc	atttaaaaga	acaggatgag	aatctaagat	atattattaa	720
taaatgtaat	ggattttttt	tttgtaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	780
aaaaa						785

<210> 74
 <211> 1069
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 74						
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gttcttaggc	tcctgcacat	gaagggtgtg	gcctgtgggtg	tgtgggctgc	tctaggagca	180
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cacatggcta	gggatactgc	tcactagctg	tggagggtcct	caggagtgga	gagaaatgagt	300
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tgctcttctc	agatgccccc	ctcctacaat	ctcagcccac	aagtcctctc	caccctaggg	600
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ccacagcctg	gataggcagc	cacattgggtc	ctcgcccttg	ctcggnactc	cgtgggtggtc	900
ctgcccttct	ccctgcatgc	ctgtgggtct	gctctgggtg	gtgaagggtc	gtgggttaac	960
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1069

<210> 75
 <211> 831
 <212> DNA
 <213> Homo sapiens

<400> 75

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gagctttagt	ctgtctctgt	ttcagttcat	tttacaggag	gtgaacatca	cacttccaga	180
aaactctgtc	tggtatgaaa	ggtataaatt	tgatattcct	gtctttcact	tgaatggcca	240
gtttctgatg	atgcacgcag	taaacacctc	aaaacttgaa	aaacagctcc	tgaaacttga	300
gcagcaaagt	actggargct	gactgatgcc	ctcatgattt	tccaccctct	cttcccataa	360
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attaatagag	aagcacttca	cagtcactgg	caatgccatt	tataggaaga	aggttctgca	660
ttcctgctgc	ccccggaggg	cttaactttt	taatgaaaga	ataaatgctc	ttccactcag	720
tagataaagt	gaaatgtgaa	ttgttaataa	ctgtgcacgg	tcaataaagc	gatgttttaa	780
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<210> 76
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (76)
 <223> n equals a,t,g, or c

<400> 76						
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tggtatcccc	ggctgcagga	ttcggcacga	gctgccaggt	gaggagcaga	gagactgttc	180
ccttgggtgg	agaggtgtgg	gcatgagagc	cacccattgc	caagcagcaa	gaatgttcgt	240
gcttttttcc	cttccaaaat	atgcagggct	caggctccca	attccggggc	tgtctgcttt	300
gcttgtgttt	ctcctgtccc	tgttctcccg	gagggccccg	gtggaactca	cgacagggag	360
ggagacgctt	cccaaaaacc	tgacagggcta	tttcccagaa	tttggttttc	aagtacaaaa	420
ctttttgtcc	tgtaagatat	atgcagcctc	acagaagcag	cctctgcctc	cactttacca	480
gctacgtttt	tatcttaagc	acatggggct	cccttagaac	ttactccact	gatttaaaaa	540
aaaaaaaaaa	aaactcgagg	gggggcccgg	tacccattcg	ccctaaaagt		590

009376 "0801" 22280

<210> 77
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<400> 77
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 ctctgaaaat cctattgggt cctttatttt atttgagttt agagttccct tctgggtttg 180
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 tggaaactcc ttagagagca ttttgctcct accaaggatc agatactgga gccccacata 300
 atagatttca tttcactcta gcctacatag agctttctgt tgctgtctct tgccatgcac 360
 ttgtgcggtg attacacact tgacagtacc aggagacaaa tgacttacag atccccgac 420
 atgcctcttc cccttggaac gctcagttgc cctgatagta gcatgtttct gtttctgatg 480
 tacctttttt ctcttcttct ttgcatcagc caattcccag aatttcccca ggcaatttgt 540
 agaggacctt tttggggtcc tatatgagcc atgtcctcaa agctttttaa cctccttgct 600
 ctctacaat attcagtaca tgaccactgt catcctagaa ggcttctgaa aagaggggca 660
 agagccactc tgcgccacaa aggttggggt ccatcttctc tccgaggttg tgaaagtttt 720
 caaattgtac taataggstg gggccctgac ttggctgtgg gctttgggag gggtaagctg 780
 ctttctagat ctctcccagt gaggcattgga ggtgtttctg aattttgtct acctcacagg 840
 gatgttgtga ggcttgaaaa ggtcaaaaaa tgatggcccc ttgagctctt tgtaagaaag 900
 gtagatgaaa tatcggatgt aatctgaaaa aaagataaaa tgtgacttcc cctgctctgt 960
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 tgtaaaaaaa aaaa 1274

<210> 78
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<400> 78
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 gtagttaaca taaatcttgt ctttctcttg ttctttatct ttctttgtta tttagatgct 240
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 tctttttgat gttgttcagt ctactcatcc ctgtgagtat gtgtggggga cagctgatag 420
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 agggagcaac aaggacagtt tcacatgctt agactttctt ggaagaaaca gtgaggagga 540
 gtaagtcgtg agtagtgtca agctggatgt agaattgtcc taaggcagtt gacccccact 600
 tccaacatgt tttcacttta tttgcccctc cctacatttg ggtaggttc catttggaatt 660
 tgcagcaata atgactttat ttctctcttg gtcaggattt ggcacataaa atccttttat 720
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 tctgatgaag gcattgtaac aaatatatag tattattaaa tctaattaat atttggaaat 960
 attaataaat aggtatttta tttactgtaa aaagtcaaac ttcattatgt agataaatct 1020
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<210> 79
 <211> 661
 <212> DNA
 <213> Homo sapiens

<400> 79
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 cccagactgg ggatttttggc aggggggcca tgggaggagc aggtgctttg cctggcggt 480
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 a 661

<210> 80
 <211> 1378
 <212> DNA
 <213> Homo sapiens

<400> 80
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 gggccaccag gaacacccat catgcctagt ccagcagatt caaccaactc tggtgataac 480
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<210> 81
 <211> 1440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<222> (38)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (41)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1128)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1129)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1440)
 <223> n equals a,t,g, or c

<400> 81
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 cacctagact ttggagagca gtctgttttc tgtaattgtc gatactagaa actaatttgc 900
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 tgtttaaagt ttgatctttg tttttctaaa gattaaaaaa gcacttgccc cactgtaaat 1380
 atacagcatg taaaatttct rtagtatata aatggcagca aatcacaaaa aaaaaaaaaan 1440

<210> 82
 <211> 1381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1379)

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<223> n equals a,t,g, or c

<400> 82

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cacggttttt	cctcatgtga	cttctgggaa	ggcgctccct	catctgggcc	aaaggaagga	240
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ccagatTTTT	aagataaaaat	aaatatTTTT	acttctgtca	aaaaaaaaaa	aaaaaaatnt	1380
c						1381

<210> 83

<211> 1706

<212> DNA

<213> Homo sapiens

<400> 83

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 <213> Homo sapiens

<400> 84						
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gatgtcycaa	actagaaggt	ctattaattt	aaaaaattaa	ggatagcatg	ccataattaa	420
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<210> 85
 <211> 684
 <212> DNA
 <213> Homo sapiens

<400> 85						
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<210> 86
 <211> 1036
 <212> DNA
 <213> Homo sapiens

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 <222> (1020)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1024)
 <223> n equals a,t,g, or c

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 <222> (1032)
 <223> n equals a,t,g, or c

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<210> 87
 <211> 908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (805)
 <223> n equals a,t,g, or c

<400> 87
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 attttatgtt taacttctca aagaattgcc aaaagggttt tcatagtggc tgcattcattt 360
 acattcccac cggcaatgta caaggatttc tatttttcca tacccttgca cttaccaaca 420
 cttctttttk gtwatwattt tgttttttca ttattgccac cctagtggat gtgaaatggc 480
 atcttattgt tttgatttgc atttctctaa tgacaaatga tatcatactt tttttatgtg 540
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<210> 88
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 88
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 aaaaaaaaaa aaaaaaaacy graggggggc ccggtaccaa ttcgccctat aatga 655

<210> 89
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<400> 89
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 <212> DNA
 <213> Homo sapiens

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 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

00033767.032201

<222> (123)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1522)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1527)
 <223> n equals a,t,g, or c

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 aaaaaaaaaa aaaaaaaaaa ancccngggg ggg 1533

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 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 91
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<210> 94
<211> 526
<212> DNA
<213> Homo sapiens
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<400> 94
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<210> 95
<211> 426
<212> DNA
<213> Homo sapiens

<400> 95
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cctcga 426

<210> 96
<211> 844
<212> DNA
<213> Homo sapiens

<220>
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<222> (416)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (471)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (835)
<223> n equals a,t,g, or c

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<400> 96

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<210> 97

<211> 1985

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (332)

<223> n equals a,t,g, or c

<400> 97

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gatctcagca	atttgaacac	taacctctcc	cctcctggct	caagaattac	cccgaagtca	1920
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<210> 98
 <211> 1416
 <212> DNA
 <213> Homo sapiens

<400> 98						
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gaagaatgat	ttgaatccta	tgtttctgga	tcaagtagct	aaatttatta	ttgataacac	180
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aaaaaaaaaa	aaaaggaaac	tcgagggggg	gcccgg			1416

<210> 99
 <211> 1760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (39)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (255)

0993767.082201

<223> n equals a,t,g, or c

<400> 99

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<210> 100

<211> 599

<212> DNA

<213> Homo sapiens

<400> 100

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cctcatcctg	atgggcactg	aactcactca	agactccgct	gcccccgact	ccctgctgag	180
aagttcaaag	ggcagcacga	gggggtcttt	ggctgctatt	gtcatctgga	gggggaagag	240
tgagagccgg	atagccaaga	ccccaggcat	tttcagaggt	ggcgggacct	tagtcctacc	300
cccaacacac	accctgagt	ggctcatcct	ccctttgggc	ataacgctgc	ccttgggggc	360
tccagaaaca	ggcggtgagg	attgtgccgc	tgagacctgg	aagggcagcc	agcgtgccgg	420
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gcaggaggtg	agtgaggagc	cctgtggcgt	gctggtgtgg	ggatcgtggg	catttcaaac	540
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<210> 101

<211> 784

<212> DNA

<213> Homo sapiens

0033767.032201

<400> 101
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gatattttac aatttcatat atcaccacct ttctctagcc tttacccgctc tcttcaatat 660
twacatatgc agaagtttct cctaacaaac acctgcctct gcctcagttc tgctaccacc 720
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tcga 784

<210> 102
<211> 404
<212> DNA
<213> Homo sapiens

<400> 102
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ggctatgaaa agaacttgaa attgtcggaa tatgtgtctc cttcatgtca tattcaatag 180
aagtttctag ttttaagattg attttgtgtt ttcttaggca tttcaagtga caagcaaagt 240
aaatgtatat attatgtgat aaatcatgtt ttcaagaacg tcaaatttct ggactttttt 300
ctttcaattt ttaattttta aagttttttt ggtattaaaa aatctattca caagccaaaa 360
aatatataaa atatacagcg aaaagccaaa aaaaaaaaaa aaaa 404

<210> 103
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 103
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gtttaaacag gtgccaccac aagggatgtc gtccttactc tctgcgggtc ttcaagcatc 120
cctttgtggg aaargtctct gggcaagcac gtggtatttg gtctgctgct tgcttccctt 180
tttccaccag ggatgttggt atcataagtc aaaacaacag tatattccaa atctcaaaag 240
ctattgtggc ctgagcaca ttgaaatcta gcagagtttt tctatgtag ctttagagta 300
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gaagagtcc catgtgacgc ttagttctat tgcatcctg ggtgaaacta ttttaagwat 420
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gttagtggct tttgcttggg atcagtgtc tctattgatg ttcttgctgg tctccagaca 540
cattcctgtt gcattaagac ttgaaagact ttagatgtgt tgatgttcag gcacaggatg 600

ctgaaagcta	tggtactatt	cttagtttgt	aaattgtcct	tttgatacca	tcattcttgtt	660
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			760

<210> 104
 <211> 1351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (544)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (774)
 <223> n equals a,t,g, or c

<400> 104							
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gttgagargc	cacccattgc	ccggcgccctg	gacagtgatc	atcttggttc	tcttggttcag		420
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ttaatcatat	acttgtcttt	tgtaaatagc	agcttttggtg	tcattctccc	cactttatta		1260
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<210> 105
 <211> 2066
 <212> DNA
 <213> Homo sapiens

<400> 105						
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cacctctgaa	gttttgcagc	gcccagaaaag	gaggcgagga	aggagggagt	gtgtgagagg	180
agggagcaaa	aagctcaccc	taaaacattt	atttcaagga	gaaaagaaaa	agggggggcg	240
caaaaatggc	tggggcaatt	atagaaaaca	tgagcaccaa	gaagctgtgc	attgttggtg	300
ggattctgct	cgtgttccaa	atcatcgcc	ttctggtggg	aggcttgatt	gctccagggc	360

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 102230" 292E650

ccacaacggc	agtgtcctac	atgtcgggtga	aatgtgtgtga	tgcccgtgaag	aaccatcaca	420
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acaacgcagc	ttctgggtatt	tgagtcaaca	aggcaacaca	tgtttatcag	ctttgcattt	1920
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tttatctcaa	aatgtttaat	ataaggaaaa	aagcgtcaac	aataaatatt	cttgagtata	2040
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<210> 106
 <211> 1705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (724)
 <223> n equals a,t,g, or c

<400> 106						
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agtccgtccc	cagcgcttgg	aatcctacgg	ccccacagc	cggatcccct	cagccttcca	180
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ctgtgcacag	graaaaaaaa	aaaag				1705

<210> 107
 <211> 1167
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<400> 107						
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<400> 108
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 <211> 611
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 <213> Homo sapiens

<220>
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<222> (610)

<223> n equals a,t,g, or c

<400> 109

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<211> 2632

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> SITE

<222> (2620)

<223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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<210> 112
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (640)
 <223> n equals a,t,g, or c

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<211> 1043

<212> DNA

<213> Homo sapiens

<400> 113

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<210> 114

<211> 703

<212> DNA

<213> Homo sapiens

<400> 114

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<210> 115
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 <212> DNA
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 <222> (79)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (3679)
 <223> n equals a,t,g, or c

<400> 115						
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<211> 1965
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1136)
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<223> n equals a,t,g, or c

<400> 116

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tttcactggg	ttatgaagct	cgagtttcat	taaatatggt	agaatcaaa	gctgtctttg	1920
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<210> 117

<211> 503

<212> DNA

<213> Homo sapiens

<400> 117

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tgcttttggg	agaaccagcc	tcctccatgg	aggaaagctt	gggatctgcc	ttcccacctg	180
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caaatagctg	agcgawtagc	gcagaagcaa	tattgaagac	ctaatagctg	agacatttcc	360
agaactgata	aagtgcattc	agccacagat	caagcagccc	agaaaattcc	aggcagcatc	420
aacaaataaa	tagccccaca	tgcacccgtg	aaaatgcaga	agaccaaaca	aaaaagtccg	480
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<210> 118

<211> 1071

<212> DNA

F02280" 49422660

<213> Homo sapiens

<400> 118

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cgcccgctg	aagaaactac	aagagcaaga	gaaacaacag	aaagtggagt	ttcgtaaaag	180
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gccaatgaac	aagatcgaga	ggagcatact	acatgatgtg	gtggaagtgg	ctggcctgac	300
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ggaattttct	tycccatggg	gctgggggtac	tttacattca	ataaatactg	tttaacccaa	1020
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<210> 119

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1101)

<223> n equals a,t,g, or c

<400> 119

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agattaaaca	aaaacagaaa	gcacaagacg	aactcagtag	cagacccccg	actctcccct	540

F002280" 49222660

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<210> 120

<211> 282

<212> DNA

<213> Homo sapiens

<400> 120

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accttatctt	tgcaatatgt	tcgggcccac	cttccactcc	ttggttcttg	ttcctccttg	180
gcctaacttg	tcccttctcc	acttcacatc	cccgttgggg	cagcattcct	ccttcctccc	240
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<210> 121

<211> 2635

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2605)

<223> n equals a,t,g, or c

<400> 121

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<210> 122
 <211> 994
 <212> DNA
 <213> Homo sapiens

<400> 122						
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<210> 123
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 <212> DNA
 <213> Homo sapiens

<400> 123						
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<210> 124
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (498)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (499)
 <223> n equals a,t,g, or c

<400> 124
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 ctcgtcatgg tggcgccctgt gtggtacttg gtagcggcgg ctctgctagt cggctttatc 180
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<210> 125
 <211> 1288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1286)
 <223> n equals a,t,g, or c

<400> 125
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aaaaaaaaa	aaaaaaaaa	aaaaanaa				1288

<210> 126
 <211> 1517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1123)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1510)
 <223> n equals a,t,g, or c

<400> 126						
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taaatatacc	atgtattcct	gcaataaatg	tcacttgnt	cttgtatata	atctttttta	180
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gccccatgaa	acgagttggg	aagtgttcac	ctctcttgta	ttttttcaag	agtttgtgaa	360
gaattgctat	taattcctta	aatgtttggg	agaatctacc	attgaaatca	tgtgtcctgg	420
gctttttttt	gagggaaagt	ttctgataac	taattcagta	tctacttttt	atagctctgt	480
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<210> 127
 <211> 1073
 <212> DNA
 <213> Homo sapiens

0933767.082201

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<220>
<221> SITE
<222> (1152)
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<223> n equals a,t,g, or c

<400> 129

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<210> 130

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (472)

<223> n equals a,t,g, or c

<400> 130

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tgtttactct	caatagtatg	tgtttgccct	tgtctttttg	agacattttg	ttttaatctg	360
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awmaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	nn	472

<400>	131						
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<210> 132
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (657)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (859)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (962)
 <223> n equals a,t,g, or c

<400> 132						
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tttcagaatt	gcaatatgcc	tccttaattt	attagaggct	aacctaaatt	attactttta	540
ccacttactt	gaaaattctg	gaactttaga	acattttattg	ttttatgcat	tttaattcta	600
cttgatattt	tactactcct	aaacattatt	attgttttag	acaagccaaa	atatatnttg	660
ttattatctt	atyctccatt	tctttctgta	tttttatgcc	actatgtatg	ctcaatttcc	720
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gcatatagaa	tnctaggtng	acatattttt	agtatttata	aatgtaaagt	cattwattkg	900
gcttctatca	tttckgktga	gaaatcaatt	gtcagcccaa	tagtttttca	ttttaaatta	960
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<210> 133
 <211> 1720
 <212> DNA
 <213> Homo sapiens

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<210> 134
<211> 705
<212> DNA
<213> Homo sapiens
```

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<220>  
<221> SITE  
<222> (409)  
<223> n equals a,t,g, or c
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<400>	134						
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gtggaatcac	agacactcct	agaggagaat	gctgttcaag	gaacagaacg	tactcttgga		180
ttaaatatag	caccttttat	taaccagttt	caggtacct	tacgtgtatt	tttggaacct		240
tcctcattgc	cctgtatacc	tttaagcaag	ccagtggaa	tcttaagact	agatttaatg		300
actccgtatt	tgaacacctc	taacagagaa	gtaaagggtat	acgtttgtna	aatctgggaa		360
gacttgactg	ctattccatt	ttgggtatca	tatgtacctt	gatgaagang	attaggttgg		420
gatacttcaa	gtgaagcctc	ccactggaaa	caagctgcag	ttgttttaga	taatcccatc		480
caggttgaaa	tgggagagga	acttgtaact	agcattcagc	atcacaaaag	caatgtcagc		540
atcacagttaa	aqcaatgaaq	aqcagttttc	caatgaaaac	tgtgtaataa	gagcatcaac		600

aagtacaaaa ttcttgtcctt aattagtgagg ggtatataaa aattccttgt aatgggtcaaa 660
tatttttttaa aattgacatt aataaagcat attttaaaag tttct 705

<210> 135
<211> 323
<212> DNA
<213> Homo sapiens

<400> 135
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gtattgctgt tcctcagttt tgcctgggga aatggaggst cagtgcggtt cagtgcggtg 180
cccagagtca tgccattggc ggggtggcca gkgmtccagg tctccagcac ccctcgcccc 240
cctcctcacc aggtcacatc atctcctgga ttagaatctg ctcacatagt ctgtcctgaa 300
aggaaaaaaaa aaaaaaaaaa aac 323

<210> 136
<211> 582
<212> DNA
<213> Homo sapiens

<400> 136
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gaaaacattt ttygtgggag aatcctacyt ctgcagsgga gcccttaagc gatkgatttt 120
gaatctkgac cttttaccaa ctaattttga aggaagatac cttggaaata tttggcattc 180
agtgggttac tgaaacagca ttagtgaatt catctagaga actctttcat ttattcaggc 240
aacaactgta caacttgga accttggtac agtccagttg tgattttggg aargtatcaa 300
ctctacactg caaagcagac aatattaggc agcagtgtgt actatttctc cattatgtta 360
aagttttcat cttcaggat ctgaaagtac agaattgctga gagtcattgt cctgtccatc 420
cttatgaggc tttggaggct cagcttcctt cagtgttgat tgatgagctt catggattac 480
tcttgtatat tggacaccta tctgaacttc ccagtgttaa tataggagca tttgtaaatc 540
aaaaccagat taaggtttga ctggtttcat ttgattttta ag 582

<210> 137
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1014)
<223> n equals a,t,g, or c

<400> 137
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099327 08290 494EE660

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gatttgctta gtgtcatttc atttcggttt cttttctcgc catgtttttc tgtcgggaatt 120
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gcaaacgttg gtctgaggct tgagggatgg agcaacattt tcttggtgt gtgaagcggg 360
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atcggtgggc gtggcctctt cctttgtatc cagtactagg agagtactca ctggacagct 480
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gactctctcc tggagtccag agcaccttgg aaccaagtac agcgaagccc actgagttca 600
gttggtccggg gacacagaag cagcaagarg caccgtaga akargtgggg caggcagarg 660
aacccgacag actcaggctc crgcagcttc cctggagcag tcctctccat ccytgggaca 720
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agccttagat agcagcagaa ggctttttgg attctcctcc ttgaaaagat tctcagttac 960
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a 1021

```

```

<210> 138
<211> 1777
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (58)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (237)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (661)
<223> n equals a,t,g, or c

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```

<400> 138
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tagctcactg cagccttgaa ctctggtggt caggcaatcc tctacctta gcctcctgag 180
tagctaggac tacaggaatg tgccatcatg cctggctaatt ttttaagttt tttgtanaga 240
tggtgatctca ctatgttgcc caagctgggt tcagattcct gtgctcaagg gattctgcta 300
acttggtctc ccaaagtgtc gggattacaa atgtgagcca ctgtatctgg cccatattct 360
tttttaagaa aaagatgcag aggtgttaaa tattaatatc aaattgtcca ggcattggtg 420
ttatgaaatt gtgtgccctc tgacaggcaa ccaaacacac acgacttcat ttctttatta 480
attcctgcct catcatcttt tctcattgat gctccttaat gtcaaaggaa tctctctctc 540
tcacacacac ataagaccaa aacaaatata ttgaacatgc aaaaaaatag tctacgcttt 600
tgaatagtgt gcactgttga atagtgtgca ctgttgata gtgtgactg ttgaagtgtg 660
natgtgccta aggcaacagg atcttgggaa agctctagat ttttggcytc gaaataaaac 720
tgcattgtga atagcagggt tttacattta ttattgttgt gtatttcctc ccctttttgc 780

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T002280" 49455660

aatactatct	acgctgagtt	atctattgcc	aactagcacc	aattctccaa	atcaaagtgt	840
gtgaggaaaa	cacactcgtg	caatcctctt	taacagaaga	tacaccaagt	aacctgtctg	900
tctacttctg	ttaccagaa	ataaaagaac	ttgaagggt	gcttggctgg	aggggtccgg	960
gtgggagagc	atcctgccct	cagtcggaat	ccatggtgaa	cagctggatg	tcctgtggat	1020
tccagtacag	gccgactgct	gagttgtaga	caagagacca	gacatagggg	ataaaaaact	1080
cctcgggctg	ctcctcttcc	acatatttga	atttcaattc	tggaaatttc	ttcagtctgt	1140
ctttggggcag	cgcaacgacg	ccttgcttaa	tgatttccag	gacccgttcc	actgacagct	1200
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ttgtgttttt	tagacagcaa	agaaaataaa	ctgatgatcc	tctgggcagc	atactgatgg	1560
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ctccccaagg	agatttcagt	taaaactcgt	tctgaatacc	aagtaatatt	ttttagtatc	1740
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<210> 139
 <211> 643
 <212> DNA
 <213> Homo sapiens

<400> 139	
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cggcagcctt	ggtgaccttg
cgccactgt	gacgatgtca
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ggcggatgac	aatggtcctc
cctcgaatgg	acacattacc
agcctccttg	gggtgtcttt
ttctccttgc	cagtttctcc
ttttggtagg	cacgctcagt
cgggggatcc	actagttcta
tttttttttt	tttttttttt
gatgtccagc	ctcagaactt
agcacgttga	agcgcaactgt
ccgatctgga	cgccctgaa
tgacttgcg	gatgtagtgc
tcttggtca	ccacgccaga
catttcttgt	caatgtagg
ccgatgttct	tgtagtaaac
ctcttcttgt	tttgaaagat
gccatcttct	cgtgccgmay
accgcggtgg	agc
aatgagaaaa	taactttatt
ctggaactgc	ttcttggtgc
cttgctcaga	ggccggcact
gcagggggac	aggtgtacag
agatagtctc	
gaggatccgc	
gcccctcaat	
gcccgggagc	
ggcgggctgc	
tcctgcagcc	
agc	

<210> 140
 <211> 1220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (404)
 <223> n equals a,t,g, or c

<400> 140	
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gagtagctgg	gattacacgt
agacggggct	tcaccagggt
tgcytcggcy	tcccaaagtg
tgtttgtttt	taaaagatgg
atctcggctc	accgcaatct
caaagtgtg	gaattacagg
agaggtgggg	tttcacaacg
atcttgtctt	tggtgtccag
cttcaaggga	ttctcctgcc
acgcccgaact	aatattkgta
gtcttgggaa	tcctgacytc
cgtcttggtg	tttttgtttt
ggctggaktg	caatggcaer
ggctcaagca	atntttctgc
catgcccaac	caattttcsg
tggytcaaaa	ctcaaaytcc
gctggagtgc	aatggcacga
tcagcctccc	
tttttagtag	
gtgatccacc	
tttttgtttt	
cccagcctcc	
taytcytagt	
tgacytcagg	

tgatctgccc	actttggcyt	cccgaaatgc	tgagactaga	ggcgcgagcc	accacgcctg	600
gcctacaaac	acattcttgt	ttgggttttt	atataaaaata	tgagcacaaa	aatactttcc	660
ctaaatacag	cctctggcct	tgcctaacc	ttggcacaca	sccaagtacc	tcttccattc	720
tcagatacgt	gaggggagtg	tatagagggt	tagagtacat	acgtttcttc	tccaactctt	780
cgtcgtctag	aagaagacta	accacctctt	tgggtttcaa	ggtatctggt	ttgaagttcc	840
cacctgaaat	caccatccgc	tgaatctcac	tcttctcctt	ggctctttgc	agaatgcgtt	900
cttcaatggt	gcctttacag	atgagccggt	acacagtaac	ctgctttgtc	tgccctaagc	960
ggtgggccct	gtccatggcc	tgctggtcca	cagtggggtt	ccagtcgcta	tcatagaaaa	1020
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aacacaaaga	tgctattcct	gttctgaaaa	tcagcaacca	tgtctcgctt	ctccgagatc	1140
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aggtctatca	tcctcgtgcc					1220

<210> 141
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (623)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (626)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (638)
 <223> n equals a,t,g, or c

<400> 141						
aattcggcac	gagccagggt	agccggaagg	gcagctctcc	aggccctgcc	cacccacacag	60
ggggctcctt	atgcacagcg	gggctctctc	ttgtggccat	agaaacggaa	ctggctcttt	120
tcaacagtgc	tgcaagagga	tggttattta	acgttgcccc	ccaaggagga	aaggcacaga	180
cyttcctccc	tcctggaaca	tccaagggca	ctggatcctc	tgtgtccctc	tgagatgggg	240
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gaggggaagag	agccagggtc	ggagaccggc	accagggcag	cagactgcaa	ggatgccccg	360
ctgaaggatg	gaaccctga	gcaaagagc	tgaaatgcct	ctctccagag	tcggaccctc	420
acctcyttcc	tggaactgcc	tttggcccca	gaaccatgag	acaatcccca	ccctgagaag	480
ctccgatcac	tgggaggaga	gagaaaagcct	ccagctttgg	gattcaggct	tcagaagttt	540
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taatttcccc	cagctcctcc	ccnccngaag	aaggaaacnaa	agaaagttcc	ttccacacgt	660
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a						721

<210> 142
 <211> 1468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (901)

009933767.082201

<213> Homo sapiens

<220>
 <221> SITE
 <222> (929)
 <223> n equals a,t,g, or c

<400> 144
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 tcccccttct agctccatgg gactcgcccc aagactgtgg cttcaaggac caccagcccc 120
 ttactcttca agccctgact gtggagttgg tagatgctc tgatcctcag tattctctct 180
 ggcaatgttc cacggcttct ccttcctggg agctggctcc ataacttgat tttcccaaaa 240
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 ggatgggggt atgccaggcc tgggcccgtcc caggcaggcc cgctggaccc tgatgctact 360
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 aaaaaaaaaa aaaaaaactc gag 2243

<210> 145
 <211> 1082
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (354)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1081)
 <223> n equals a,t,g, or c

<400> 145
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 ggaattcccg ggctgaccca cgcgtccgct tccgtgtgtc aaaatcctca cctccttcat 120
 aaccatctcc cacaattaat tcttgactat ataaatttat ggtttgataa tattatcaat 180
 ttgtaatcaa ttgagatttc tttagtgtc gcttttctgt gactcaactg cccagacacc 240
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 gacatgaaga ggctcagctt cctgggacca tgactttggc tcagctgatc ctgnacatgg 360
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 tgctatgtca gccccattga ctaccttctc atgctctgag gtactactgc ctctgcagca 1020
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 ng 1082

<210> 146
 <211> 4313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1126)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4015)
 <223> n equals a,t,g, or c

<400> 146
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 ctcaggctcg gctccccgcc cgccgcagcc cactgttgac ccggcccgtg ctgcggcccc 180
 gtggccacca tgtccctgca cggcaaacgg aaggagatct acaagtatga agcgccttg 240
 acagtctacg cgatgaactg gagtgtgcgg cccgataagc gctttcgtt ggcgctgggc 300
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<210> 147
 <211> 1183
 <212> DNA
 <213> Homo sapiens

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 <222> (1053)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<400> 152
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 tttttcctaa agaataacwt gaycctttgc caracggact acgaggaagg tttaatgaaa 180
 gaaggttatg caccmccmgt tcgctgatct atcaacatca ccccatagg aatacaaagc 240
 actacattct tttatctttt ttgctccaca tgtacataag aattgacaca ggaacctact 300
 gaatagcgta gatataggaa ggcaggatgg ttatatggaa taaaaggcgg actgcatctg 360
 tatgtagtga aattgcccc a gttcagagtt gaatgtttat tattaagaa aaaagtaatg 420
 tacatatggc tggatttttt tgcctgctat tcgtttttgt gtcacttggc atgagatggt 480
 tattttggac tattgtatat aatgtattgt aatatttgaa gcacaaatgt aatacagttt 540
 tattgtgtta ccatttgtgt tccatttgct yctttgtatt gttgcattta gtacaatcag 600
 tgtttaaact tactgtatat ttatgctttc tgtatttacc agctatttta aatgagctgt 660
 aactttctag taaagaattg aaaagcaa at cctcactaaa ggatacacag gataggataa 720
 agccaagtcn catcaacatt aaaaaatact aaaaananaaa acacaaaaaa aaaaaanccc 780
 gggggggggcc cggaacccat tc 802

<210> 153
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (437)
 <223> n equals a,t,g, or c

<400> 153
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 agtctgttcc ccgcccgcga gatgatgaac aatggcctcc tccaacagcc ctctgccttg 180
 atgttgctcc cctgcccgc agttcttact tctgtggccc ttaatgcaa ctttgtgtcc 240
 tggaagagtc gtaccaagta caccattaca ccagtgaaga tgaggaagtc tggggggccga 300
 gaccacacag gtgggaacaa ggacaggggg atttaagcag tcaaaaggaa aaacatgtta 360
 agaccctaga cttgtatatt gacacacttg taccttgtaa ggcagaggaa tgtaattaaa 420
 aagcacttat ttggcwnaaa aaaaaaaaaa aaaaaaaaaa c 461

<210> 154
 <211> 2388
 <212> DNA
 <213> Homo sapiens

<400> 154
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 aaccgaggcc ggcgcttcaa gtgggccatt gagctaagcg ggcctggagg aggcagcagg 180
 ggtcgaagtg accggggcag tggccaggga gactcgctct acccagtcgg ttacttggac 240

aagcaagtgc	ctgataccag	cgtgcaagag	acagaccgga	tccctggtgga	gaagcgctgc	300
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gcaggcaata	ctatctccat	cttccctact	atgatgggtg	gtatgatggc	ctggcgaccc	420
attcaggcac	ttatggccat	ttcagccact	ttcaagatgt	tagaaagtgc	aagccagaag	480
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ccccctgaga	gaatggagtt	cagtgggtgga	ggactgcttt	tgtgaacatg	agaaagcagc	660
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atgccaatct	gtatgccatt	ttagtaaagt	aggttaaggag	agtagccgct	cagtaacttt	2220
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aaagatggtc	cagtgccttc	aggggaaggat	gtttagccag	ttttcctagt	atttgttcct	2340
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<210> 155

<211> 642

<212> DNA

<213> Homo sapiens

<400> 155

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tagctattac	acactactgc	agattttaca	ggttttcta	tctaacaata	gtttgaaaaa	180
tccgtgagta	ttccaaaata	tatttaataa	tggaatatct	gcattaatat	accatccatg	240
tgtttttacc	atttgcctta	atattgaata	tactgtttac	ctcacactaa	aaagaaaacc	300
agaagcctta	tttgtgattt	tgggagtggg	agcttccatt	tttgtgtcaa	aaatgaatcc	360
tgattcttat	ggaaatctct	gttattaaga	tattttcaaga	tgagacaaca	ctgaagatca	420
aattgtgttt	agtatcacta	tcttctctcc	tcgtttctct	cttactcctc	atcctcccag	480
aatctaccag	tttatggtag	aaagatggga	accttatttg	aatgtgtttt	tttttttcca	540
tgatgtccaa	ttttgtgttg	ggaaaggatt	tggataaaat	ttttgtttta	attttggtag	600
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<210> 156

<211> 1251
 <212> DNA
 <213> Homo sapiens

<400> 156
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 agagaaaata tcacgggccc ctttccacaa tgcagttgct gtagtcatct acaataataa 180
 atccaaagag gagccagtta ccatgactca tccaggcact gagcatatta ttgctgtcat 240
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 aatgacaata gctgttggaa ctggaatgcc accgaagaac ttcagccgtg gctctctagt 360
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<210> 157
 <211> 2127
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1212)
 <223> n equals a,t,g, or c

<400> 157
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 gacaaccagt caccagcctc aggacagata caaagctgtc tggttatct tcttcatgct 180
 gggctctggga acgctgctcc cgtggaattt tttcatgacg gccactcagt atttcacaaa 240
 ccgctggac atgtcccaga atgtgtcctt ggtcactgct gaactgagca aggacgccc 300
 ggctcagcg cncctgcag cacccttgcc tgagcggaac tctctcagt ccattctcaa 360
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 ggtgtttctg atcactgcca tctgtgtgaa ggtgcagctg gatgctctgc ctttctttgt 540
 catcaccatg atcaagatcg tgctcattaa ttcatttggg gccatcctgc agggcagcct 600
 gtttggtctg gctggccttc tgctgccag ctracaggg ccccatcatg agtggccagg 660
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<210> 158

<211> 1625

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1066)

<223> n equals a,t,g, or c

<400> 158

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catgggaggc	tgagaaaaat	gaggggagat	ggaaccagat	acaaggagat	ccaataagag	180
aagcttattt	aaatattgtg	aaataaagga	agamccaaag	cattttttta	agtggggaat	240
ccttttgaac	agttattatt	tatccatatt	attaayaaca	tcttttctga	caaaaatccat	300
cagatgaagt	gtaaatggat	aatcttttaa	tggatctaaa	cctagaaagt	ttcacttact	360
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cagagtaatt	cctgctggct	tcacctttga	aagtccctcg	aaactatgca	gatgaaactg	1020
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<210> 159
 <211> 1687
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (334)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (505)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1044)
 <223> n equals a,t,g, or c

<220>
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 <222> (1670)
 <223> n equals a,t,g, or c

<220>
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 <222> (1678)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1683)
 <223> n equals a,t,g, or c

<220>
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 <222> (1684)
 <223> n equals a,t,g, or c

<400> 159						
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acatctctgg	atagtgacct	ggatccagag	gagctggcag	gagtcagggg	acatcagggg	180
ctaagggacc	aaaagcgtat	gcgacttact	gaagtgcgaag	atgataaaga	ggaggaggag	240
gaggagaatc	cactgctggg	accactggag	gaaaaggcag	tactgcagga	agaacaagcc	300

aacctgtggt tctcaaaggg cagcttttgc gggnatcgag gacgatgccg atgaaggccc 360
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 cannttt 1687

<210> 160
 <211> 1842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1793)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1834)
 <223> n equals a,t,g, or c

<400> 160
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 cgcatctgtg ccccgagaat cctttacttc atctaaaggc agcagtgaac gaaaagaaaa 180
 gaaacaagaa gaaaaaaacc attggttcac caaaaaggat tcagagtcct ttgaataaca 240
 agctgcttaa cagtctgca aaaactctgc caggggcctg tggcagtcac cagaagttaa 300
 ttgatgggtt tctaaaacat gaaggacctc ctgcagagaa acccctggaa gaactctctg 360

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gagaatggat aactacaatt tcagatccaa tggaagaaga cattctccaa gttgtgaaat 540
actgtactga tctaatagaa gaaaaagatt tggaaaaact ggatctagtt ataaaaataca 600
tgaaaaggct gatgcagcaa tcggtggaat cggtttgaa tatggcattt gactttattc 660
ttgacaatgt ccagggtggt ttacaacaaa cttatggaag cacattaaaa gttacataaa 720
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<210> 161
<211> 770
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (744)
<223> n equals a,t,g, or c

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<400> 161
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gtgtcttctg tcatgattgt aagtttctct aggcctcccc agctatgtag aactgtgagc 180
caattaaacc tcttttctct ataaattatc cagtcttata tatttcttca tagcagtgtg 240
agaacagata ataccgtaaa ttggtatcac agagagtggg gtgttgctat aaacacatct 300
gaaaatgtta aagcaaattt ggaactgggt aacaggcaaa ggctggaaca gttkgaagaa 360
cagttaagaa gaagacagga aaatatgaga aatcttgaaa cttcctagag tcttaaagggt 420
ctcagaagac atgaagatgt ggaagctttt ggaacttcct agagacttgt ttgaatggct 480
ttgacaaaaa tgctgatagt gatatggaca atgaagtcca ggctgagctt atccagacag 540
acataagaag ctgctgggga acttgagtaa agatcactct tgctaggcaa agagactgggt 600
ggcctttttt cctctgccct agagatctgt ggaaatctga acctgagaga gatgatttag 660
ggtatctggc agaagaaata tctaagcggc aaaaccttcm agaggaagca gagcataaac 720
gtttgaaaaa tttgcagcct gacnatggga gaccaaagtt aaaccaatt 770

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<210> 162
<211> 519
<212> DNA
<213> Homo sapiens

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<400> 162
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ccgtgtgaca aggtgtcctc tctgagcctc agtcacacac tgccttaacg gttgggcctc 180
atggagctgt ttgtgaaggt taaatgggaa gacataaagc acttagccca gagccaagga 240
catgctgaat aggataatgg tggcctcctt tggcgctgtg ctggtgcagg tgtgccgagg 300
aaytgggcag ggggtgacaga tacctcttct aacctagtct ctttccaaga acctaattgg 360
tgtctctccc tccccaggc aattggaagg aggaggctgg gccccagccc cagaatacgg 420
gaggtttctc accgtggtag ggaaattgct gggttggggg tgtgggcaac cacagtgatc 480
gtctctctgc aggacggatg aggctttgct gacagaggc 519

<210> 163
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 163
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tgttttaaate ttttcagtgg cttccctttg tacttagaaa aaaatgcaac ttcttctgct 180
gggactcatc cgctcacagc cttccccctc accctctctc tgccctcatgc tctgccccctg 240
cctgccatgc ctccgatact caccttttgt accccagcac ccgtgccctc tgccccctga 300
tctttgcttg gctgggtgct cctcactcag tgttcaggac aaatgctcct ggccctaccc 360
catctagcca gtctagcccg gtcttccctg tcttccctgt ttcattcatg gctcttattg 420
tttgttwact tgtgtgctgt tgacttttaa ctctctcagt cccactgga atgcaagcga 480
tctcccaagc tcctagaatt gttcctgcct cttcacaggc ccttacgctg tgtgtgctcg 540
tgccgaattc ggcacgaggg tatgtgcact tgctggtatg tatgtagggtg tttgctaaca 600
catacgtgca cacgcagaat gcttccaggg gactgcacag cctctagtct gcagcccca 660
cccctccctt tgsccttgca ctctccccctc tctgagctgc attcgcatga aagggtgcan 720
ggttcctgan ccgcnagcg ncacctcctg gga 753

<210> 164
<211> 1893
<212> DNA
<213> Homo sapiens

TO2280" / 92EE660

<400> 164

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ttctgcaaac	agtgtagtaa	gaaaggtaat	ttgagaat	ccaaagatgt	tctcgctagc	180
cattatttat	ggtaattaca	taacattttg	atgtcaagtt	attacagact	taaaagttaa	240
tatagcataa	ttttacaatc	gtactttcac	tatgat	attttaaccc	tggatattat	300
tggtttgaag	ctaataattat	cagtcctatt	ggctgtcact	gtcacagatc	tgaagatatg	360
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ctaaatatgt	gaatatcata	aaatgaaaat	atcactccct	tcaatttctt	tggccttcac	600
aaattcaatg	tgactatgat	ccttttcaat	aatacttyca	atgacattgt	gcttcttttag	660
aaaaatcact	taagttgtag	catacaatag	ttaacattag	ttcttttatt	gctatgggat	720
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ccaatgtaat	aatcacttac	tggggccacac	gctagatgac	agacatgcct	ccctgcctaa	1560
aaagggctca	aaggaactct	cagttatata	tgagtgaatt	aaaactttta	atgtactaca	1620
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aaatgggata	gagagtaaga	agacaggaga	gagaggagaa	accatgtttt	ttcggacgcg	1860
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<210> 165
 <211> 2153
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (101)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1670)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2134)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2135)

<223> n equals a,t,g, or c

<400> 165

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cagggtctcaa	gggctgtggt	ccgctcaggg	tctcatttcc	ccaggccaag	ttcaaggcag	180
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tctgatcagt	cctgggtcca	tcagtttgct	catgtgtccg	gctgccagcc	cgtcccttgg	360
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tatgtcaaaa	ataaagccgc	tagaaacgga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2100
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<210> 166

<211> 1251

<212> DNA

<213> Homo sapiens

<400> 166

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tttgagaacc	acaatgttaa	caatatagcc	aatatgtaca	gtctgcacag	ctgggttgga	420
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ccatgggctc	cgttttctct	ccgagcattt	ctcatgccc	tacatgttta	ttctggaatt	540
gtcatctttg	gaacagtgat	tgcaacagca	cttatgggat	tgacagagaa	actgattttt	600
tccttgagag	atcctgcata	cagtacattc	ccgccagaag	gtgttttctg	aaatacgctt	660

09933767.082201

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aaacgtccta	aggagccaaa	ttctaccatt	cttcatccaa	atggaggcac	tgaacaggga	780
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aacagtgaag	tagcagcaag	gaaaagaaac	ttagctctgg	atgaggctgg	gcagagatct	900
accatgtaaa	atgttgtaga	gatagagcca	tataacgtca	cgtttcaaaa	ctagctctac	960
agttttgctt	ctcctattag	ccatatgata	attgggctat	gtagtatcaa	tatttacttt	1020
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aattggaaaag	gatgtgatta	atataaataa	tagcagatat	aaattgtggt	tatgttacct	1140
ttatcttgtt	gaggaccaca	acattagcac	ggtgccttgt	gcakaataga	tactcaatat	1200
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<210> 167
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (522)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (752)
 <223> n equals a,t,g, or c

<400> 167						
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cgcgactga	cttcaacaat	tctggcgccg	ctacgggaag	tctccccac	ctcatgaagt	840
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<210> 168
 <211> 1208
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (161)
 <223> n equals a,t,g, or c

<400> 168						
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cccaaattgg	aagtcccag	acatatttagc	ctattacaat	tctaagttat	ttgcagtaaa	120

0993767 082201

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aatagtatta	gtagcaaata	tattaagtat	gtcaaataatg	tcaaatagctg	ttgtaagtga	360
tttacaatata	ttagtacatt	taatctcaca	taaagcaaata	taagtaatat	cattagctcc	420
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gcagaactga	aattcaaact	tatgcaatta	gtctccagtc	taagatttta	actgcactgt	540
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<210> 169
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<400> 169						
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 <211> 1624
 <212> DNA
 <213> Homo sapiens

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<212> DNA
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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<210> 172

<211> 786

<212> DNA

<213> Homo sapiens

<400> 172

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<210> 173

<211> 1758

<212> DNA

<213> Homo sapiens

<400> 173

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<210> 174

<211> 1369

<212> DNA

<213> Homo sapiens

<400> 174

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<210> 175

<211> 2379

<212> DNA

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1331)

<223> n equals a,t,g, or c

<400> 176

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<210> 177

<211> 1502

<212> DNA

<213> Homo sapiens

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<222> (446)

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<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c

093767-08201

<220>
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 <222> (1024)
 <223> n equals a,t,g, or c

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<210> 178
 <211> 1637
 <212> DNA
 <213> Homo sapiens

<400> 178
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 gggatcaag tcaagatata aagactgcag catggcagcc ctgacatccc atctacaaaa 180
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<210> 179

<211> 2911

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (622)

<223> n equals a,t,g, or c

<400> 179

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<210> 180

<211> 519

<212> DNA

<213> Homo sapiens

<400> 180

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<211> 968

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (135)

<223> n equals a,t,g, or c

<400> 181

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<211> 1128

<212> DNA

<213> Homo sapiens

<400> 182

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<210> 183

<211> 2276

<212> DNA

<213> Homo sapiens

<400> 183

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 <211> 3374
 <212> DNA
 <213> Homo sapiens

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cactctaaaa	gctgaactac	atccttagtt	ttcagtctac	ttgactctat	caggagcttt	3240
ttaaggaaaag	taagtataac	atgcaaagga	agcttttttt	gtattcattt	tggactcctg	3300
tcaataaaaa	tagaagtttg	ttgactcgtg	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaacc	3360
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<210> 185

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1337)

<223> n equals a,t,g, or c

<400> 185

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tctccctggc	gtttgggtcac	ctctgcttca	ttctccaccg	cgctatgggt	ccctcttgga	120
gccagcgtgg	cgggcctggc	ggctcccggg	tggtagagag	gcggtccggg	aacgatgaag	180
gcctcgagtc	gctgctgctg	tctcagccac	ctcttggctt	ccgtcctcct	cctgctgttg	240
ctgcctgaac	taagcgggyc	cctggmagtc	ctgctgcagg	cagccgaggc	cgcgccagggt	300
cttgggcttc	ctgaccctag	accacggaca	ttaccgccgc	tgccaccggg	ccctaccctt	360
gcccagcagc	cgggccgtgg	tctggctgaa	gctgcggggc	cgcgggggctc	cgagggaggc	420
aatggcagca	accctgtggc	cgggcttgag	acggacgatc	acggaggggaa	ggccgggggaa	480
ggctcggtgg	gtggcggcct	tgctgtgagc	cccaaccctg	gcgacaagcc	catgaccagc	540
cgggccctga	ccgtgttgat	ggtgggtgagc	ggcgcggtgc	tgggtgactt	cgtgggtcagg	600

acgggtcagga	tgagaagaag	aaaccgaaag	actaggagat	atggagtttt	ggacactaac	660
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tttgatgcc	atcatcctcg	aagataagaa	tgtgcctttt	gatgaaagaa	ctttatcttt	780
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gggggtat	aagttacata	tattttaaca	acctttaatt	tgctgttgca	ataaataccg	900
tatcctttta	ttatatcttt	atatgtatag	aagtactctr	ttaatgggct	cagagatggt	960
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taatgcta	tatttttgct	gatgtcatat	gttaaagagc	tataaattcc	aacaaccaac	1140
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aaaagaagcc	aaatttatta	ctttgtgttg	gggtttttta	aatattaaga	aatgtctaag	1260
ttattgtttg	caaaacaata	aatatgattt	taaattctct	taaaaaaaaa	aaaaaaaaacc	1320
ccgggggggg	gcccggg					1337

<210> 186

<211> 941

<212> DNA

<213> Homo sapiens

<400> 186

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ctgattctcc	ccaccagagg	acagacgttg	aaagatacca	cgtccagttc	ttcagcagac	180
tcaactatca	tggaacattca	ggtcccgcga	cgagccccag	atgcagtcta	cacagaactc	240
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accgaagca	tggaagggaac	ggatgggcct	ctagtgcagc	atccagagac	acacaagagc	360
accaaagcag	ctcatcccac	tgatgcacac	acgacgtctc	ctgagagacc	atccccagc	420
acagacgtcc	agacagaccc	ccagaccctc	aagccatctg	gttttcatga	ggatgacccc	480
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aatcattgca	ggtgagtcca	tcagaaacag	gagctgacaa	ccygctgggc	acccgaagac	660
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ccccaacctt	gcccgcctt	gaaggctacc	tggcgccttg	ggggctgtcc	ctcaagttat	840
ctcctctgyt	aagacaaaaa	gtaaaagcact	gtggctcttg	caaaaaaaaa	aaaaaaaaaa	900
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaactcg	a		941

<210> 187

<211> 678

<212> DNA

<213> Homo sapiens

<400> 187

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aaagaggagg	atgttttaat	gcctccagac	tacattcctt	tttattcttg	attttacctg	180
ggagtccaaa	gttcaattcc	ataaagcaag	cgtttat	tcactttcaa	tatacatcga	240
ttgccatgct	taagatgcaa	tatgggctgc	ggaaataggt	taaccacag	gctcccaggg	300
cccagtgtag	aagggtgagag	attcgtgtaa	aatgattcaa	ataaaaggaa	gaccctggcc	360
gggtgccgta	gctcacgcct	gtaatcccag	cactttggga	ggccgaagcg	agtggatgac	420
gagggttagga	gttgagagacc	agcctggcca	acatcgtgaa	accccgctctc	tactaaaaat	480
acaaaaatta	gccgggcatg	gtggcaggca	cctgtaatcc	tagctagttg	ggaggctgag	540
gcaggagaat	cgtttgaatc	tgggagttgg	aggttgagc	gagctgagat	cgcgccacag	600
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taaaaaaaaa	aaaaaaaaa					678

T02280" 292560

<210> 188
 <211> 1848
 <212> DNA
 <213> Homo sapiens

<400> 188
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 ccgccggccc ggccgagcgc ggcggccgct gcgattgcag tcgcggcggc ggaggaagag 180
 agacggctcc ggcagcggaa ccgcctgagg ctggaggagg acaaaccggc cgtggagcgg 240
 tgcttgagg agctggctct cggcgacgct gagaacgac aggacgcgtt gctgcggcgt 300
 ctgcgaggcc cgaggggttca agaacatgaa gactcgggtg actcagaagt ggagaatgaa 360
 gcaaaaggta attttccacc tcaaaagaag ccagtttggg tggatgaaga agatgaagat 420
 gaggaatgg ttgacatgat gaacaatcgg tttcgggaag atatgatgaa aaatgctagt 480
 gaaagtaaac tttcgaaaga caaccttaaa aagagactta aagaagaatt ccaacatgcc 540
 atgggaggag tacctgcctg ggcagagact actaagcggg aaacatcttc agatgaagaa 600
 agtgaagagg atgaagatga tttgttgcaa aggactggga atttcatatc cacatcaact 660
 tctcttccaa gaggcattct gaagatgaag aactgccagc atgcgaatgc tgaacgtcct 720
 actgttgctc ggatctccat ctgtgcagtt ccatcccggg gcacagattg tgatggttgc 780
 tgggattaga taatgctgta tcactatttc aggttgatgg gaaaacaaat cctaaaattc 840
 agagcatcta tttggaaagg tttccaatct ttaaggcttg ttttagtgct aatggggaag 900
 aagttttagc cacgagtacc cacagcaagg ttctttatgt ctatgacatg ctggctggaa 960
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 tttctccgag aagtggatac tttgccttgg ggaatgaaaa gggcaaggcc ctgagtata 1620
 gggtgcacca ttactcagac ttctaagag actatttgaa gtccagttga gtcacaagag 1680
 aagcctgtct tgatatatca tctcagaaac tttcctgaat atgtgataat atatggaaaa 1740
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 tttgtttgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcga 1848

<210> 189
 <211> 1292
 <212> DNA
 <213> Homo sapiens

<400> 189
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 tgagggtggct gcgggactgg aagtcatcgg gcagaggctc cacagcarcc aaggaacctg 180
 gggcccgtc ctccccctc caggccatga ggattctgca gttaatcctg cttgctctgg 240
 caacagggtc tgtaggggga gagaccagga tcatcaaggg gttcgagtgc aagcctcact 300
 cccagccctg gcaggcagcc ctgttcgaga agacgcggct actctgtggg gcgacgtca 360
 tcgccccag atggctcctg acagcagccc actgcctcaa gccccgctac atagttcacc 420
 tggggcagca caacctccag aaggaggagg gctgtgagca gacccggaca gccactgagt 480
 ctttccccca ccccggttc aacaacagcc tccccacaa agaccaccgc aatgacatca 540
 tgctgggtgaa gatggcatcg ccagtctcca tcacctgggc tgtgcgaccc ctcacctct 600
 cctcacgctg tgtcactgct ggcaccagct gyctcatttc cggctggggc agcacgtcca 660
 gccccaggt acgcctgcct cacacctgct gatgcgcaa catcaccatc attgagcacc 720

<222> (1414)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1427)
 <223> n equals a,t,g, or c

<400> 191
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 cagagactgg tcttggaac cctcagcaaa ctgagcatcc aggacaacaa tgtggacctg 120
 attctggcca cccccctt cagccgctg gagaagtgt atagcactat ggtgcgcttc 180
 ctcagtgacc gaaagaaccc ggtgtgccg agatggctgt ggtactgctg gccaacctgg 240
 ctgaggggga cagcctggca gctcgtgcc ttgcagtga gaagggcagt atcggcaacc 300
 tcttgggctt cctagaggac agccttgccg ccacacagtt ccagcagagc caggccagcc 360
 tctccacat gcagaaccca ccttttgagc caaytagtgt ggacatgat cggcgggctg 420
 cccgcgcgct gcttgcttg gccaaggtgg acgagaacca ctcagagttt actctgtacg 480
 aatcacggct gttggacatc tcggtatcac cgttgatgaa ctcaktggtt tcacaagtca 540
 tttgtgatgt actgtttttg nattggccag tcatgacagc cgtgggacac ccccccccc 600
 cgtgtgtgtg tgcgtgtgtg gagaacttag aaactgactg ttgcccttta tttatgcaaa 660
 accacctcag aatccagttt accctgtgct gtccagcttc tcccttgga aaaagtctct 720
 cctgtttctc tctctctct ccacctccc tccctccat acccaccct ctttgaaaag acaaagctct 780
 ttgtcctcac cttactccc tcaggacct accccacct ctttgaaaag acaaagctct 840
 gcctacatag aagacttttt ttattttaac caaagttact gttgtttaca gtgagtttgg 900
 ggaaaaaaaa taaaaataaaa atggctttcc cagtccttgc atcaacggga tgccacattt 960
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 ctttatagta tgacgagtta acaagttggt gacctgcaca aagcgagaca cagctattta 1560
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 cttgctgtct cagcagccaa tcaacttata gtttattttt ttctgggttt ttgttttgtt 1680
 ttgttttctt tctaactcgag gtgtgaaaaa gttctaggtt cagttgaagt tctgatgaag 1740
 aaacacaatt gagatttttt cagtataaaa atctgcatat ttgtatttca acaatgtagc 1800
 taaaacttga tgtaaatcc tcttttttt ctttttttgg cttaatgaat atcatttatt 1860
 cagtatgaaa tctttatact atatgttcca cgtgttaaga ataaatgtac attaaatctt 1920
 ggtaagactt taaaaaaaaa a 1941

<210> 192
 <211> 2118
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

05933767.082201

<220>
 <221> SITE
 <222> (1324)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1643)
 <223> n equals a,t,g, or c

<400> 192
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 cagctgctct ggcacgtggg acaccytcca ccctgcacac aacaggcatg caaagaggac 120
 tggatatggt ggggtagagt gcttctggtg tgttcacttt aagaaaacat ctgccaagag 180
 agaagagtgc ccaggaaaga ccaggaaaat acaagtacat ggctgcttca taccatatac 240
 cccaattctt taaagcagca aaaggcactt tttttttcag gccagagtga atctaaaaca 300
 aacctggctt tgcttacagg gaagctgtcc cagaaggact gagtgatgcc tcttggtccc 360
 taaggtcttg agagtctttg caagtttcca acgacatttc caaccagggtg ggagagacca 420
 gcagttgacg agacaagtca gacccaaaaa acgacgccaa ggtagtgagt ggggtgcctat 480
 ttgggagtag gatgatttga ggaaaacagg aagaaaaacc ggtcagaaag tggcactttg 540
 gaagtggaaa gctgtttgca aatagcaact ctggctaaag cgaaaatgtt aatcaagtag 600
 aaagtaaaat tcaggatctt agaagctcat ccttctgatg agaactattt ttttttccgt 660
 gaaggaacta ttattacttt aaaagtgagg gtaatttaca tatgggggtg atatatctta 720
 aaaatagtaa taaaagtacc ttttataagc aatgttgtgt ggcttgtaga agaaagcagg 780
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 gccargccc agcagggtgc aaaagcagct gcaagcttca gaaaccact tcctccaaca 1200
 ccaggagggt ggcagagagc ccatccaaaa gccactggg agaggcataa gattctgtgc 1260
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 aagaggaagg tcttctctgg ctttcaggga aacagctgca gctgaaactt aggggcccat 1500
 tccagggcac ttttcaccac agccagtgc ggcgtccaa gtgccactgt cagccccatc 1560
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 agatagttta atatatgc 2118

<210> 193
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<400> 193

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ggccaaggcc	gctctgtcgg	cggccgnagc	tggagccttc	tcgccagcgt	cgaccacgac	180
gacgcggagg	cacctctcgt	cccgaaccg	accagagggc	aaagtgttgg	agacagttgg	240
tgtgtttgag	gtgccaaaac	agaatggaaa	atatgagacc	gggcagcttt	tccttcatag	300
catttttggc	taccgagggt	tcgtcctgtt	tccttggcag	gccagactgt	rtgaccggga	360
tgtggcttct	gcagctccag	aaaaagcaga	gaaccctgct	ggccatggct	ccaaggaggt	420
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atctcagaga	tctcagacag	aagctgtgac	cttcttggct	aaccatgatg	acagtcgggc	540
cctctatgcc	atcccaggct	tggactatgt	cagccatgaa	gacatcctcc	cctacacctc	600
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cctctccacc	aaggaactgt	gttcagctgc	cacaggcctg	gaggagtttc	ctggcctgtc	1440
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<210> 194

<211> 1098

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

0993767.082201

<222> (438)

<223> n equals a,t,g, or c

<400> 194

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ttatgacaga	ccttgtcctt	cttccttggt	gaaagtgttt	cctctgctgc	tactgctcat	240
gagactcttc	ccctccctg	tcccaggga	ccaaagggct	ttntaccac	accctttctt	300
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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a 721

<210> 206
<211> 2465
<212> DNA
<213> Homo sapiens

<400> 206
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<210> 207
<211> 1480
<212> DNA
<213> Homo sapiens

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<400> 207
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gcaatatgtc ctctgttcca tcctgctttg tctcctggca tctggtttgg tggttttctt      420
cctgtttccg cattcagtc ttgtggatga tgacggcatc aaagtgggtga aagtcacatt      480
taataagcaa gactcccttg taattctcac catcatggcc accctgaaaa tcaggaactc      540
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ggtgaatttt accgggaagg ccgagatggg aggaccgttt tcctatgtgt acttctctctg      660
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<210> 208
<211> 872
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (422)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (847)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (856)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (872)
<223> n equals a,t,g, or c

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<400> 208
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ctccctagta gctagtgtc tctaagttt tatttaatta gaacaactcc atttccattt      180

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caaggtaggt	caatgggggg	aaaagcctca	tgattttaa	tgaagttaac	aacacagctt	240
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caaagatatg	ctgtacctaa	aactgctaaa	acaaaaatat	aaagacaagg	actaggtgat	360
taaggggaga	gaaaaatcat	ytcttttcca	ggaaaccttt	gctaaaataa	gcaaaacttg	420
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ttatagaaat	agatctataa	'aaagatctgt	ccacaggaaa	tatacacctt	ctcctggttc	540
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atctattcat	gcacatatct	tgaaaacagg	tacatacaaa	attacaacaa	aggaaaaaaa	660
ttctattgaa	cacttaaaaa	tagaaacagg	ccaggcacgg	tggctcatgc	tgtaatccca	720
acaatttggg	aggctgaggc	tgggtgatca	cctgaggtca	ggagtgtgag	accagcttgg	780
ccaacatggg	gaaaccccg	cactactaaa	aatacaaaaa	aaattagcct	gtgtgggtggc	840
acactcntac	aatccnggct	gactcgggaa	an			872

<210> 209
 <211> 1779
 <212> DNA
 <213> Homo sapiens

<400> 209	aattgccaag	actgcacaaa	attacagtgc	taatgtatat	ggttgcagtt	cacataaaga	60
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	gggtctgttc	cttcttgagc	ctgcctgcag	ggatggcttc	cttttaaagc	aggttgtgtg	300
	cagcattcag	tacactgaag	gtaagctaaa	ccatcaacat	ctctgggtgtt	ttaagatggt	360
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	tgtgataact	gatcttgttt	tattttttgg	cattgcaact	gtggcatagt	tacaatttct	480
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	gtactgtttc	ttattaactt	tacttttttt	aaatcaactt	gctatagact	ttatatacat	600
	tttgttaaat	atagttccta	gtgacataga	aacgatgcgt	agttttcatt	tactaattac	660
	aaatgttgag	gcctaattct	gaaagtcctc	atatttaaag	gctagacaac	gtaatgaaat	720
	ttttaactat	ttgtatgtca	ttttgaaagt	gtactgcttt	atggtaaaag	tgtttttcat	780
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<210> 210
 <211> 2110
 <212> DNA
 <213> Homo sapiens

<220>

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<221> SITE
 <222> (750)
 <223> n equals a,t,g, or c

<400> 210

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gtcctgtccc	gacgccttgg	aaagcgggtcc	ctcctgggag	cccgggtgtt	gggacccagt	180
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<210> 211
 <211> 938
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (200)
 <223> n equals a,t,g, or c

<400> 211

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cttaacagat	gtctgttccc	tcttctctta	cttaaattat	ctttattttc	accatcacct	180
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<210> 212
 <211> 1551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (420)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1017)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1408)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1423)
 <223> n equals a,t,g, or c

<400> 212						
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tgaaaagatca	taggataaat	ttctttgtag	caacttccta	tttttagtgtt	tatgttaggg	240
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0923767 082201

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<210> 213
 <211> 997
 <212> DNA
 <213> Homo sapiens

<400> 213						
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<210> 214
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 <213> Homo sapiens

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 <222> (450)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (454)
 <223> n equals a,t,g, or c

<220>
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<222> (1247)

<223> n equals a,t,g, or c

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<210> 216
 <211> 1705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1281)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1704)
 <223> n equals a,t,g, or c

<400> 216
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 <212> DNA
 <213> Homo sapiens

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<210> 218
 <211> 941
 <212> DNA
 <213> Homo sapiens

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 <211> 2031
 <212> DNA
 <213> Homo sapiens

<400> 221
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<210> 222
<211> 968
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (954)  
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (961)
<223> n equals a,t,g, or c
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<210> 223
<211> 1404
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (1351)
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<223> n equals a,t,g, or c

<400> 223

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<210> 224

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (707)

<223> n equals a,t,g, or c

<400> 224

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 <211> 1384
 <212> DNA
 <213> Homo sapiens

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taaccatgca	tcytcttggt
ttagtccctc	camactctga
tcactgtacc	tggtccagca
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cctgccagta	tgctaaaccc
ctggatgaat	ctatcaataa
tcga	

<210> 226
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (773)
 <223> n equals a,t,g, or c

<400> 226	
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actgctttct	gtttgtctgc

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tcacttgcca	aaaaatgaat	atatgtttat	gtgtgtatat	tacttggtgc	acaaaaaacc	600
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aactctcaat	aacagaagcg	taaaaatgaa	atgtaaacct	ccaattacct	ctggatctct	720
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<210> 227
 <211> 865
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (344)
 <223> n equals a,t,g, or c

<400> 227						
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tttccaccgg	acgggagggg	tcgggggtgtc	cggggctggg	gaatacgtag	gggttgccgc	240
gcgggtgtgg	gagttggggc	gtgtggctgc	agtcccggga	gttcttgga	ggggtcggcc	300
caccgagctt	ccggaccggc	tgatctgccc	gtagcttgcc	gganggargg	cggagctgac	360
tctcgtctcc	ttctcccatc	ccctccagtg	gtgggtacgg	gcacctcgt	ggcgctctcc	420
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aaaaaaaaaa	aaaaaaaaaa	aaaaaa				865

<210> 228
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<400> 228						
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cagaggggtg	ggacatatta	cgggcgcgga	tccctcttg	agtgagatga	ctctccggag	180

09033767.082001

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<210> 229
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (392)
<223> n equals a,t,g, or c
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<210> 230
<211> 1935
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c
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<220>
 <221> SITE
 <222> (1921)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1927)
 <223> n equals a,t,g, or c

<400> 230
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 ccccgggaca aagtgcagtg catcctgaga atgtgctcta cgattatgaa cctcctgagc 240
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 ttgataaagg caaatccacc ctgtttgctg tctactgtgc agtatatcag tagcttttat 360
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 tgttaatcag acaaacagat ctctgagaag gtgcatcagc tgctttgaag gctgaagatt 540
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 ntttgnntt ttttt 1935

<210> 231
 <211> 1035
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1032)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1034)
 <223> n equals a,t,g, or c

<400> 231
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 gatgccgaat atcagcgaaa tcttcacagg gtggacctcg atattttaac ctttacgata 240
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 accaatcctg caacttgatt ttcagaagtc aagagtatat cgcgataaga cagtgcacag 420
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 aaaaaatgtc gaaagcatta taactgtaac gttctttgag tttgtgattg atccacattt 540
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 tatattatgt gataaatcat gttttcaaga acgtcaaatt tctggacttt tttctttcaa 900
 tttttaattt ttaagtttt tttggtatta aaaaatcyat tcacaagcca aaaaatwtwt 960
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 caaggggggtc cngnt 1035

<210> 232
 <211> 2218
 <212> DNA
 <213> Homo sapiens

<400> 232
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 gcatctgggt ggaagctgcc tatatttctt ccagtttaa ctggggacca tctgtgaaat 480
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 agaactcttt attttcttca taccctgttc tctgcagtgc tttctaacag cttctgggtg 780
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<210> 233
 <211> 2057
 <212> DNA
 <213> Homo sapiens

<400> 233						
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<210> 234
 <211> 2084
 <212> DNA

0933767.082201

<213> Homo sapiens

<220>

<221> SITE

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2083)

<223> n equals a,t,g, or c

<400> 234

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<210> 235

<211> 2143

<212> DNA

093376.08201

<213> Homo sapiens

<220>

<221> SITE

<222> (2058)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2115)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2132)

<223> n equals a,t,g, or c

<400> 235

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2143

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<211> 1133
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> SITE
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<223> n equals a,t,g, or c

<220>
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<210> 237
<211> 1025
<212> DNA
<213> Homo sapiens

<400> 237
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<210> 238

<211> 1400

<212> DNA

<213> Homo sapiens

<400> 238

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<210> 239

<211> 1250

<212> DNA

<213> Homo sapiens

<400> 239

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 <212> DNA
 <213> Homo sapiens

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 <222> (651)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

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 <211> 888

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<212> DNA
 <213> Homo sapiens

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 <222> (830)
 <223> n equals a,t,g, or c

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<210> 242
 <211> 1811
 <212> DNA
 <213> Homo sapiens

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 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
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 <222> (16)
 <223> n equals a,t,g, or c

<220>
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 <222> (1810)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1811)
 <223> n equals a,t,g, or c

<400> 242
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<210> 243
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<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (2269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (2271)
<223> n equals a,t,g, or c

<400> 243

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 <211> 2500
 <212> DNA
 <213> Homo sapiens

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<220>
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 <222> (2473)
 <223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2478)

<223> n equals a,t,g, or c

<400> 244

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acgatgacag	tgggaacacc	ttcttctact	tcctcacctc	cttcgtgggg	ctcatcgtga	180
ccccggcgac	atactacctc	tggccccgag	atcagaatgc	cgagcaaatt	cgattaaaga	240
atatcagaaa	agtatatgga	aggtgtatgt	ggtacgttta	cggttattaa	aaccccagcc	300
aaatattatt	cctacagtaa	agaaaatagt	tctgcttgca	ggatgggcat	tgttcttatt	360
ccttgcatat	aaagtttcca	aaacagaccg	agaataccaa	gaatacaatc	cttatgaagt	420
attaaatttg	gacctcggag	ccacagtagc	agaaattaaa	aaacaatatc	gtttgctgtc	480
acttaaatat	catccagata	aaggagggtga	tgaggttatg	ttcatgagga	tagcaaaagc	540
ttatgctgct	ttaacggatg	aagagtcctcg	gaaaaattgg	gaagaatttg	gaaatccaga	600
tgggcctcaa	gccacaagct	ttggaattgc	cctgccagct	tggatagtgt	accagaaaaa	660
ttcaattctg	gttttacttg	tatatggatt	ggcatttatg	gttatccttc	cagttgttgt	720
gggctcttgg	tggatcgtct	caatacgcta	tagtggagac	cagattctaa	tacgsacaac	780
acagatttat	acatactttg	tttataaaac	ccgaaatatg	gatatgaaac	gtcttatcat	840
ggttttggst	ggagcttctg	aatttgatcc	tcagtataat	aaagatgcca	caagcagacc	900
aacggataat	attctaatac	cacagctaata	cagagaaatt	ggcagcatta	atttaaagaa	960
gaatgagcct	ccacttacct	gcccataatag	cctgaaggcc	agagttcttt	tactgtctca	1020
tcttgctaga	atgaaaaattc	ctgagaccct	tgaagaagat	cagcaattca	tgctaaaaaa	1080
gtgtcctgcc	ctacttcaag	aaatggttaa	tgtaatctgc	caactaatag	taatggcccg	1140
gaaccgtgaa	gaaagggagt	ttcgtgctcc	aactttggca	tccctagaaa	actgcatgaa	1200
gctttctcag	atggccgttc	agggacttca	gcaatttaag	tctcccttc	tgcagctccc	1260
tcataattgaa	gaggacaatc	ttagacgggt	ttctaatacat	aagaagtata	aaattaaaac	1320
tatccaggat	ttggtgagtt	taaaagaatc	agatcgtcac	actctactgc	acttcttga	1380
agatgaaaaa	tatgaagagg	ttatggctgt	ccttgggagt	tttccatatg	tgaccatgga	1440
tataaaatca	caggtgttag	atgatgaaga	tagcaacaac	atcacagtag	gaccttagt	1500
tacagtgttg	gttaagttga	caaggcaaac	aatggctgaa	gtatttgaaa	aggagcagtc	1560
catctgtgct	gcagaggaac	agccagcaga	agatgggcag	ggtgaaacta	acaagaacag	1620
gacaaaagga	ggatggcaac	agaagagtaa	aggacccaag	aaaactgcta	aatcaaaaaa	1680
aaagaaacct	ttaaaaaaa	aacctacacc	tgtgctatta	ccacagtcaa	agcaacagaa	1740
acaaaagcag	gcaaatggag	tcgttgggaa	tgaagctgca	gtaaaggaag	atgaagaaga	1800
agtttcagat	aagggcagtg	attctggaaga	agaagaaacc	aatagagatt	cccaaagtga	1860
gaaagatgat	ggtagtgaca	gagactctga	tagagagcaa	gatgaaaaac	aaaacaaaga	1920
tgatgaagca	gagtggaag	aattacaaca	aagcatacag	cgaaaagaga	gagctctatt	1980
ggaaaccaa	tcaaaaataa	cacatcctgt	gtatagcctt	tactttcctg	aggaaaaaca	2040
agaatggtgg	tggctttaca	ttgcagatag	gaaggagcag	acattaatat	ccatgccata	2100
tcattgtgtg	acgctgaaag	atacagagga	ggtagagctg	aagtttctctg	caccaggcaa	2160
gcctggaaat	tatcagtata	ctgtgtttct	gagatcagac	tcctatatgg	gtttggatca	2220
gattaaacca	ttggaagttk	ggaagtccat	gaggctgaag	cctgtgccag	aaaatcaccc	2280
acagtgggat	acagcaatag	agggggatga	agaccagag	gacagtgaag	gctttgaaga	2340
tagctttgag	ggagggaagag	ggagggaagga	aggaaggtgg	tggacttaag	gcagttactc	2400
tggaatggga	cccacagtg	tttgcaccat	attttgga	ttttttttgc	ccgtttttng	2460
gaagtgtttt	ccntnaancc	caggaaaccat	tacagaaccg			2500

<210> 245

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

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<221> SITE
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (867)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1338)
 <223> n equals a,t,g, or c

<400> 245

cttccgggttc	tccgggcagc	tgccactgct	gtagcttctg	ccacctgcca	cgaccggggcc	60
tctccctggc	gtttgggtcac	ctctgcttca	ttctccaccg	cgcctatggt	ccctcttgga	120
gccagcgtgg	cgngcctggc	ggctcccggg	tggtgagaga	gcggtccggg	aacgatgaag	180
gcctcgagtg	gctgctgctg	tctcagccac	ctcttggtct	ccgtcctcct	cctgctgttg	240
ctgcctgaac	taagcgggyc	cctggmagtc	ctgctgcagg	cagccgaggc	cgcgccagggt	300
yttgggcctc	ctgaccctag	accaggacat	taccgcccgt	gccaccgggc	cctwaccct	360
gcccagcagc	cgggcccgtgg	tctggctgaa	gctgcggggg	ccgcgggggt	ccgagggagg	420
caatggcagc	aaccctgtgg	ccgggcttga	gacggacgat	cacggaggga	aggccgggga	480
argctcgggtg	ggtggcggcc	ttgctgtgag	cccccaaccct	ggcgacaagc	ccatgaccca	540
gcggggccctg	accgtgttga	tggtgggtgag	cggcgccggtg	ctggtgtact	tcgtgggtcag	600
gacggtcagg	atgagaagaa	gaaaccgaaa	gactaggaga	tatggagttt	tggaactaa	660
catagaaaat	atggaattga	cacctttaga	acaggatgat	gaggatgatg	acaacacgtt	720
gtttgatgcc	aatcatcctc	gaagataaga	atgtgccttt	tgatgaaaga	actttatctt	780
tctacaatga	agagtggaa	ttctatgttt	aaggaataag	aagccactat	atcaatgttg	840
gggggggtatt	taagttacat	atattttnaac	aacctttaat	ttgctgttgc	aataaataacc	900
gtatcctttt	attatatctt	tatatgtata	gaagtactct	gttaatgggc	tcagagatgt	960
tggggataaa	gtatactgta	ataatttatc	tgtttgaaaa	ttactataaa	acggtgtttt	1020
ctgrtcgggtt	tttgtttcct	gcttaccata	tgattgtaaa	ttgttttatg	tattaatcag	1080
ttaatgctaa	ttatttttgc	tgatgtcata	tgttaaagag	ctataaattc	caacaaccaa	1140
ctggtgtgta	aaaataattt	aaaatytcct	ttactgaaag	gtatttccca	tttttgtggg	1200
gaaaagaagc	caaattttatt	actttgtgtt	gggggttttta	aaatattaag	aaatgtctaa	1260
gttattgttt	gcaaaacaat	aaatatgatt	ttaaattctc	ttaaaaaaaa	aaaaaaaaaac	1320
cccggggggg	ggcccggn					1338

<210> 246
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (651)
 <223> n equals a,t,g, or c

<400> 246

gaattcggca	cgaggcagct	tgtgctttta	aggaggtgtt	caaagcatgt	ctgagcagag	60
acttttgggc	tctgttttaa	ttaatacttt	aaaataattc	atatttaaaa	tatcaratgt	120
ttccataaag	aggaggatgt	ttaaatgcct	ccagactaca	ttccttttta	ttsccttgatt	180
ttacctggga	gtccaaagt	caattcccat	aaagcaagcg	ttttatttgt	cactttcaat	240
atacatccga	ttgccatgct	taagatgcaa	tatgggctgc	ggaaataggt	taaccacag	300
gctcccaggg	cccagtgtag	aaggtgagag	attcgtgtaa	aatgattcaa	ataaaaggaa	360
gaccctggcc	gggtgccgta	rtcacgcct	gtaatcccag	cactttggga	ggccgaagcg	420

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agtggatgac	gaggtttagga	gttggagacc	agcctggcca	acatcgtgaa	accccgtctc	480
tactaaaaat	acaaaaatta	gccgggcatg	gtggcaggca	cctgtaatcc	tagctagttg	540
ggaggctgag	gcaggagaat	cgtttgaatc	tgggagttgg	aggttgtcag	tgagctgaga	600
tcgcgccaca	gcactccagc	ctgggtgaca	gggtgagact	ctgtctcaaa	naga	654

<210> 247
 <211> 1146
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (36)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (37)
 <223> n equals a,t,g, or c

<400> 247	
aaaaaaaaacc	caggggaacn
attcttcaag	ttaatcctgc
aggatcatca	aggggttcga
gagaagacgc	ggctactctg
gcccactgcc	tcaagccccg
gagggtctgtg	agcagaccgg
agcctcccca	acaaagacca
tccatcacct	gggtctgtcg
agctgyctca	tttccggctg
ttgsgatgcg	ccaacatcac
aacatcacag	acaccatggg
gggtgactccg	ggggccctct
caggatccgt	gtgcatcac
gactggatcc	aggagacgat
ccctccattt	ccacttggtg
aagacctct	acgaacattc
atcaacctgg	ggttcgaaat
actctgggaa	tgacaacacc
cctggccata	tatcaaggtt
actcga	
ttggggggccg	ctttnnnttc
tttgctcttg	gccaacaggg
gtgcaagcct	cactcccagc
tggggcgacg	ctcatcgccc
ctacatagtt	cacctggggc
gacagccact	gagtccttcc
ccgcaatgac	atcatgctgg
acccctcacc	ctctcctcac
gggcagmacg	tccagccccc
catcattgag	caccagaagt
gtgtgccagc	gtgcagggaag
gtgtgctaac	cagtctcttc
ccgaaagcct	gggtgtctaca
gaagaacaat	tagactggac
tttggttcct	gttcactctg
tttgggcctc	ctggactaca
cagtgtgagacc	tggtattcaaa
tggtttgttc	tctgttgtat
tctgttgtat	ccccagcccc
gaaaaaaaaa	aaaaaaaaaa
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
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	720
	780
	840
	900
	960
	1020
	1080
	1140
	1146

<210> 248
 <211> 1443
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (907)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1288)
 <223> n equals a,t,g, or c

<400> 248
 ataaactgaa ataggtcatg caaatataaa atattatnttt taaattatntt gtcataagaa 60
 acgatgggtg ccatatntttg ctttaataat ggaaaaaatg tggtttagcat tctktggaag 120
 gtggatcatca gatagtagac atntttctagg atnttatnttct acctgcatat gtggaaatgt 180
 gtactactntt agatnttatwt aatggcagct aactcagagg catcaaaatg tgctaattggt 240
 gtaatatggc ctttgtcctt ctgtyctgnt ttgtargcct tcaatcaagc argggcaggg 300
 ccgtacagtg aacttgtcct ttgscagacg ccagcgtctg cccctgaccc cgtctccact 360
 ctctgtgtcc tggaggagga gccccttgat gcytaccctg attcaccttc tgcgtgcctt 420
 gtactgaact ggggaagagcc gtgcaataac ggatctgaaa tccttgctta caccattgat 480
 ctaggagaca ctagcattac cgtgggcaac accaccatgc atgnttatgaa agatctcctt 540
 ccagaaacca cctaccggtg agtgcaaggg agtagaaatc tgcatacagca catcagcact 600
 tggggatcta agtaaacctc tcggggaaaa tgaccaagtg gatgtcatct cccagctgnt 660
 tctaagagcc cagatgtcca gagtattgtc tcaccttgat ccctcaggcc agaagacctg 720
 tgaaaaagcc aacttggttc agggactcac tggacggntt tgtgtccact ytaacntgca 780
 ccgtctctac cccagagtgg actcaratcc tcaagtcac cctctgaacat tgrrgtcaga 840
 aattataaaa gggcctttggc aatatgnttag cccaagaatt tggccttcttc cagaaattgt 900
 gccgacntta acagtggcct aaatgatggt aaaactntta agatnttctaa aaggrrtgga 960
 ttggagatac gnttgactntt attaaacmac ctatagnttgt ttaatgaynt ctaaaaaaat 1020
 atctggagct caggggnttca actgagggaa cacatgnttga gratcattgt ttactaatta 1080
 aatgccaggt aaccgcgttga aattatcaaa aacatcttcc acgtaccaga aagcacctca 1140
 gaggatagnt ctgnttatgga gaagatgaaa tggnttagta gtgtaggaac tatggaaaagg 1200
 tgagcttaga cttggatagt aaaacctcaa gacctatntt aaaaagtatt ttatgaatgc 1260
 agcataaata atnttaattca gtgntaanat gccaaaggcta gtatattgag ctgaatgtga 1320
 aaagaaactc acattgggag aatgccacct tntccttata agatagcctt gaagatacca 1380
 tnttagacag atggaaattg aatagcctta gaaaaggcaa atgnttgatc ttggggaaaa 1440
 aaa 1443

<210> 249
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 249
 Met Leu Ser Thr Gly Ile Glu Val Ala Arg Pro Pro Ala Thr Leu Leu
 1 5 10 15

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<210> 250
<211> 116
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (116)  
<223> Xaa equals stop translation
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<400> 250
Met Asn Val Val Ile Val Ile Ile Leu Phe Ser Phe Asp Ser Val Gly
1 5 10 15

Thr Met Phe Ser Cys Asn Arg Ile Pro Lys Ile Thr Val Leu Asn Lys
20 25 30

Leu Lys Phe Xaa Cys Glu Val Leu Leu Arg Ile Gln Thr Ile Gln Gly
35 40 45

Phe Tyr Arg Cys Thr Arg Ile Ser Arg Tyr Lys Gly Ile Phe Pro Asp
50 55 60

Phe Cys Gln Ser Gln Cys Met Gly Cys Asn Pro Glu Ser Xaa Met Ala
65 70 75 80

Val Pro Ala Leu Val Thr Pro Ile Leu Ala His Arg Lys Lys Glu Lys
85 90 95

Gly Met Cys Leu Phe Thr Leu Ile Ile Ala Pro Thr Arg Cys Thr His
100 105 110

Tyr Phe Cys Xaa
115

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<210> 251
<211> 103
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (103)

<223> Xaa equals stop translation

<400> 251

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Met Ser Ser Ala Lys Ile Val Arg Gln Arg Gly Ala Val Pro Thr Tyr
 1             5             10             15

Tyr Thr Thr Glu Ala Gly Glu Ile Ile Phe Leu Val Leu Asn Trp Ser
          20             25             30

Leu Ser Ile Leu His Ile Val Asp Val Leu Cys Ser Lys Pro Glu Lys
          35             40             45

Ser Val Thr Glu Asp Ala Ala Ser Gly Leu Ser Gln Arg Met Thr Ala
          50             55             60

Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys Pro Ile Leu
          65             70             75             80

Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His Ser Phe Ile
          85             90             95

His Ser Ser Asn Ile Cys Xaa
          100

```

<210> 252

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 252

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Met Ile Leu Phe Pro Gln Xaa Ala Leu Arg Leu Gly Xaa Trp Pro Arg
 1             5             10             15

Thr Trp Ser Ile Leu Xaa Lys Tyr Ser Val Asn Phe Phe Ser Ala Tyr
          20             25             30

Ser Pro Met Gly Ala Val Gly Thr Glu Phe
          35             40

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<210> 253

<211> 37

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<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 253
 Met Ile Ile Leu Leu Leu Phe Met Leu Leu Asn Asn Val Val Leu Val
 1 5 10 15

Gln Glu Asp Asn Cys Gln Arg Lys Asn Thr Val Gln Glu Arg Arg Xaa
 20 25 30

Trp Ser Gln Trp Xaa
 35

<210> 254
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals stop translation

<400> 254
 Met Ala Ala Xaa Pro Pro Gly Cys Thr Pro Pro Xaa Leu Leu Asp Ile
 1 5 10 15

Ser Trp Leu Thr Glu Ser Leu Gly Ala Gly Gln Pro Val Pro Val Glu
 20 25 30

Cys Arg His Arg Leu Glu Val Ala Gly Pro Arg Lys Gly Pro Leu Ser
 35 40 45

Pro Ala Trp Met Pro Ala Tyr Ala Cys Gln Arg Pro Thr Pro Leu Thr
 50 55 60

His His Asn Thr Gly Leu Ser Glu Leu Leu Glu His Gly Val Cys Glu

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Met Ile Ser Asp Ala Gly Ala Gly Phe Gly Val Phe Leu Leu Val Pro
 1 5 10 15
 Arg Ala Gly His Cys Trp Gly Ala Gly Lys Pro Leu Pro Ser Cys Pro
 20 25 30
 Ser Val Ala Ser Ile Pro Ser Trp Val Leu Pro Ser Phe Leu Glu Arg
 35 40 45
 Gly Arg Xaa
 50

<210> 259
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 259
 Met Val Gln Thr Ile Gln Asp Phe Leu Ser Leu Phe Ser Thr Pro Ile
 1 5 10 15
 Phe Leu Leu Leu Leu Met Phe Glu Thr Leu Ser Leu Ala Pro Ala Trp
 20 25 30
 Leu Lys Pro Leu Arg Val Thr Ser His Ser Xaa
 35 40

<210> 260
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 260
 Met Ile Leu Met Pro Gly Leu Gly Thr Ser Arg Gln Arg Ser Val Pro
 1 5 10 15
 Phe Val Pro Thr Leu Asn Ala Ser Thr Pro Gly Ala Met Thr Gly Pro
 20 25 30
 Thr Ala Thr Leu Thr Ser Cys Gln Trp Thr Thr Ala Cys Arg Val Ser
 35 40 45
 Trp Ala Asn Gly Trp Thr Ser Leu Arg Thr Phe Arg Xaa
 50 55 60

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Met Ser Arg Ser Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala
 1 5 10 15
 Ala Ser Ile Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala
 20 25 30
 Leu His Gln Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile
 35 40 45
 Leu Leu Lys Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg
 50 55 60
 Met Gln Asp Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala
 65 70 75 80
 Trp Val Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr
 85 90 95
 Ile Phe Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu
 100 105 110
 Asn Gly Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala
 115 120 125
 Glu Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu
 130 135 140
 Thr Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro
 145 150 155 160
 Glu Val Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser
 165 170 175
 His Pro Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg
 180 185 190
 Leu Val Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser
 195 200 205
 Gly Pro Xaa
 210

<210> 264

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (548)

<223> Xaa equals stop translation

<400> 264

Met Glu Asp Ser Glu Ala Leu Gly Phe Glu His Met Gly Leu Asp Pro
 1 5 10 15
 Arg Leu Leu Gln Ala Val Thr Asp Leu Gly Trp Ser Arg Pro Thr Leu

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20					25					30					
Ile	Gln	Glu	Lys	Ala	Ile	Pro	Leu	Ala	Leu	Glu	Gly	Lys	Asp	Leu	Leu
		35					40					45			
Ala	Arg	Ala	Arg	Thr	Gly	Ser	Gly	Lys	Thr	Ala	Ala	Tyr	Ala	Ile	Pro
	50					55					60				
Met	Leu	Gln	Leu	Leu	Leu	His	Arg	Lys	Ala	Thr	Gly	Pro	Val	Val	Glu
	65					70					75				80
Gln	Ala	Val	Arg	Gly	Leu	Val	Leu	Val	Pro	Thr	Lys	Glu	Leu	Ala	Arg
				85					90					95	
Gln	Ala	Gln	Ser	Met	Ile	Gln	Gln	Leu	Ala	Thr	Tyr	Cys	Ala	Arg	Asp
			100					105					110		
Val	Arg	Val	Ala	Asn	Val	Ser	Ala	Ala	Glu	Asp	Ser	Val	Ser	Gln	Arg
		115					120					125			
Ala	Val	Leu	Met	Glu	Lys	Pro	Asp	Val	Val	Val	Gly	Thr	Pro	Ser	Arg
	130					135					140				
Ile	Leu	Ser	His	Leu	Gln	Gln	Asp	Ser	Leu	Lys	Leu	Arg	Asp	Ser	Leu
	145					150					155				160
Glu	Leu	Leu	Val	Val	Asp	Glu	Ala	Asp	Leu	Leu	Phe	Ser	Phe	Gly	Phe
				165					170					175	
Glu	Glu	Glu	Leu	Lys	Ser	Leu	Leu	Cys	His	Leu	Pro	Arg	Ile	Tyr	Gln
			180					185					190		
Ala	Phe	Leu	Met	Ser	Ala	Thr	Phe	Asn	Glu	Asp	Val	Gln	Ala	Leu	Lys
	195						200					205			
Glu	Leu	Ile	Leu	His	Asn	Pro	Val	Thr	Leu	Lys	Leu	Gln	Glu	Ser	Gln
	210					215					220				
Leu	Pro	Gly	Pro	Asp	Gln	Leu	Gln	Gln	Phe	Gln	Val	Val	Cys	Glu	Thr
	225					230					235				240
Glu	Glu	Asp	Lys	Phe	Leu	Leu	Leu	Tyr	Ala	Leu	Leu	Lys	Leu	Ser	Leu
				245					250					255	
Ile	Arg	Gly	Lys	Ser	Leu	Leu	Phe	Val	Asn	Thr	Leu	Glu	Arg	Ser	Tyr
			260					265					270		
Arg	Leu	Arg	Leu	Phe	Leu	Glu	Gln	Phe	Ser	Ile	Pro	Thr	Cys	Val	Leu
	275						280					285			
Asn	Gly	Glu	Leu	Pro	Leu	Arg	Ser	Arg	Cys	His	Ile	Ile	Ser	Gln	Phe
	290					295					300				
Asn	Gln	Gly	Phe	Tyr	Asp	Cys	Val	Ile	Ala	Thr	Asp	Ala	Glu	Val	Leu
	305					310					315				320
Gly	Ala	Pro	Val	Lys	Gly	Lys	Arg	Arg	Gly	Arg	Gly	Pro	Lys	Gly	Asp
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Lys Ala Ser Asp Pro Glu Ala Gly Val Ala Arg Gly Ile Asp Phe His
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 His Val Ser Ala Val Leu Asn Phe Asp Leu Pro Pro Thr Pro Glu Ala
 355 360 365
 Tyr Ile His Arg Ala Gly Arg Thr Ala Arg Ala Asn Asn Pro Gly Ile
 370 375 380
 Val Leu Thr Phe Val Leu Pro Thr Glu Gln Phe His Leu Gly Lys Ile
 385 390 395 400
 Glu Glu Leu Leu Ser Gly Glu Asn Arg Gly Pro Ile Leu Leu Pro Tyr
 405 410 415
 Gln Phe Arg Met Glu Glu Ile Glu Gly Phe Arg Tyr Arg Cys Arg Asp
 420 425 430
 Ala Met Arg Ser Val Thr Lys Gln Ala Ile Arg Glu Ala Arg Leu Lys
 435 440 445
 Glu Ile Lys Glu Glu Leu Leu His Ser Glu Lys Leu Lys Thr Tyr Phe
 450 455 460
 Glu Asp Asn Pro Arg Asp Leu Gln Leu Leu Arg His Asp Leu Pro Leu
 465 470 475 480
 His Pro Ala Val Val Lys Pro His Leu Gly His Val Pro Asp Tyr Leu
 485 490 495
 Val Pro Pro Ala Leu Arg Gly Leu Val Arg Pro His Lys Lys Arg Lys
 500 505 510
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 35 40 45

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Leu Asn Val Phe Met Ser Gly Arg Ser Arg Ser Ser Ser Ala Glu Ser
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 Phe Gly Leu Phe Ser Cys Ile Ile Asn Gly Glu Glu Gln Glu Gln Thr
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 His Arg Ala Ile Phe Arg Phe Val Pro Arg His Glu Asp Glu Leu Glu
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 Leu Glu Val Asp Asp Pro Leu Leu Val Glu Leu Gln Ala Glu Asp Tyr
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 Trp Tyr Glu Ala Tyr Asn Met Arg Thr Gly Ala Arg Gly Val Phe Pro
 115 120 125
 Ala Tyr Tyr Ala Ile Glu Val Thr Lys Glu Pro Glu His Met Ala Ala
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 Leu Ala Lys Asn Ser Asp Trp Val Asp Gln Phe Arg Val Lys Phe Leu
 145 150 155 160
 Gly Ser Val Gln Val Pro Tyr His Lys Gly Asn Asp Val Leu Cys Ala
 165 170 175
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 195 200 205
 Gly Val Lys Ala Asp Asp Ser Gln Glu Ala Lys Gly Asn Lys Cys Ser
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 His Phe Phe Gln Leu Lys Asn Ile Ser Phe Cys Gly Tyr His Pro Lys
 225 230 235 240
 Asn Asn Lys Tyr Phe Gly Phe Ile Thr Lys His Pro Ala Asp His Arg
 245 250 255
 Phe Ala Cys His Val Phe Val Ser Glu Asp Ser Thr Lys Ala Leu Ala
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